



# Geography

Subject selection for F.3

Miss YY Chan





# Introduction to DSE Geography

1. Is Geography a good match for me?
2. What are the special features in Geography curriculum and lessons?
3. How does the teacher prepare us for the DSE Examination?
4. What are the prospects of studying Geography?

# 1. Is Geography a good match for me?



【尖沙咀好去處】香港科學館全新  
常設「地球科學廳」開幕！4大展  
區/颱風體驗室/龍捲風製造器

# 1. Is Geography a good match for me?



規模7.8級強烈地震狂襲土耳其與敘利亞邊境，至今已累積超過4800人死亡，5600多座建築物倒塌。

位於東南部的尚勒烏爾法省（Sanliurfa），當地一棟公寓地震發生後「垂直倒塌」，原本站在馬路上的民眾嚇得狂逃，7層樓高的建築物瞬間淪為一片廢墟的畫面在網絡上瘋傳。

# 1. Is Geography a good match for me?



## 2. DSE Geography Curriculum

	Compulsory Part	Elective Part
Content	C1 Opportunities and Risks C2 Managing River and Coastal Environments C3 Changing Industrial Location C4 Building a Sustainable City C5 Combating Famine C6 Disappearing Green Canopy C7 Climate Change	2 out of 4 modules E1 Dynamic Earth E2 <u>Weather and Climate</u> * E3 Transport E4 <u>Regional Study of Zhujiang Delta</u> *
Assessment	Paper 1 (2 hours and 45 minutes) A. Multiple-choice questions B. Fieldwork-based question C. Data-response questions D. Short essay questions	Paper 2 (1 hour 15 minutes) E. Data-response question F. Short essay question
Weighting	<b>75%</b>	<b>25%</b>

\* Our school will provide 2 electives based on students' ability and interest. It is subjected to change.



# C1 Opportunities and risks



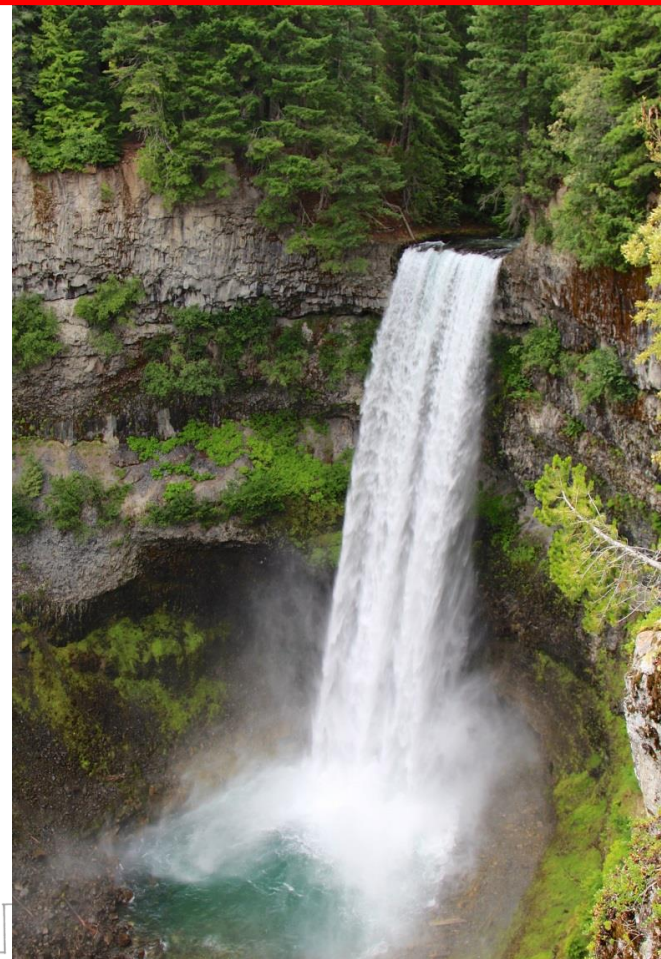
- Tectonic landforms
- Tectonic hazards

**F3 Living with Natural Hazards  
~ Earthquakes**



# C2 Managing river and coastal environment

**F2 The Trouble of Water  
~ Water cycle, flooding**



- **River environment**
- **Coastal environment**





# C3 Changing industrial location



- Iron and steel industry
- IT industry



# C4 Building a sustainable city



- Urbanization
- Urban problems
- Sustainable development

**F1 Using urban space wisely  
~ Urban problems, solution**

# C5 Combating Famine



- Famine
- Farming in the Sahel
- Farming in the California

**F.2 Food Problems, Farming**



# C6 Disappearing Green Canopy



- Ecosystem in tropical rainforest
- Deforestation
- Sustainable rainforest development

## Biology

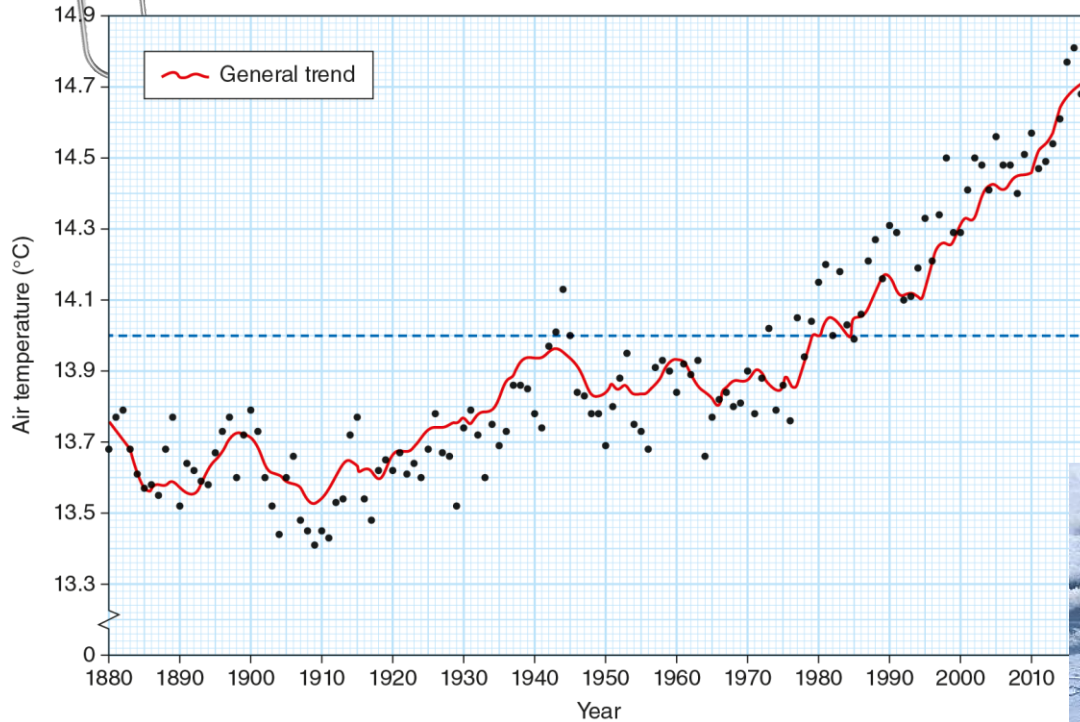
~ Ecosystem, Applied Ecology



© DWV. Fischer



# C7 Climate Change



- Global climate
- Climate change
- International cooperation



**F3 Changing Climate, Changing Environment**



# E2 Weather and Climate

- **Typhoons**
- **Cold Surge**
- **Drought**



~ **C5 Combating Famine**  
~ **C4 Disappearing Green Canopy**



# E4 Regional Study of ZDR

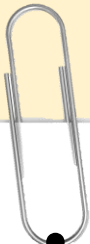


- Industrial development
- Agricultural development
- Urban development
- Pollution

~ C3 Changing Industrial Location  
~ C4 Building a Sustainable City  
~ C5 Combating Famine



# 2. Geography Curriculum in HLC



- HKDSE Geography in Ho Lap

	First Term	Second Term
F4	<ul style="list-style-type: none"><li>• <b>Map reading</b></li><li>• <b>Building a Sustainable City</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Opportunities and Risks</b></li><li>• <b>Managing River and Coastal Environments</b></li></ul>
F5	<ul style="list-style-type: none"><li>• <b>Weather and Climate</b></li><li>• <b>Combating Famine</b></li><li>• <b>Fieldwork experience I</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Changing Industrial Location</b></li><li>• <b>Global warming</b></li><li>• <b>Fieldwork experience II</b></li></ul>
F6	<ul style="list-style-type: none"><li>• <b>Disappearing Green Canopy</b></li><li>• <b>Regional Study of Zhujiang Delta</b></li></ul>	---


- **Strong linkage with junior form topics**





# Public Examination

- Competencies of HKDSE Geography

Component	Part	Weighting	Duration
Public Examination 	<u>Paper 1 (Compulsory Part)</u>		
	Section A: Multiple-choice Questions	20%	2 ¾ hours
	Section B: <b>Fieldwork-based Question</b>	15%	
	Section C: Data/Skill-based/Structured Questions	30%	
	Section D: Short Essay Questions	10%	
	<u>Paper 2 (Elective Part)</u>		
Section E: Data/Skill-based/Structured Questions	15%	1 ¼ hours	
Section F: Short Essay Questions	10%		





# 1. Is Geography a good match with me?

2019 DSE GEOG 1C Q5

4. Table 5a shows some data in relation to global mean temperature anomalies from 1995 to 2015. Figure 5b shows the GDP per capita, carbon dioxide emissions per capita and energy consumption in some countries in 1995 and 2015.

Table 5a

Year	Amount of atmospheric carbon dioxide (metric tonnes)	Global energy consumption from fossil fuels (trillion joules)	Global forest cover (square km)	* Global mean temperature anomalies (°C)
1995	23 083	312 642 000	40 919 359	+ 0.43
2005	29 432	400 669 200	40 327 427	+ 0.69
2015	36 019	471 952 800	39 991 336	+ 0.99

\* Based on global mean temperature from 1901 to 2000.

a) Refer to Table 5a.

- (i) Describe and explain the trend of the change in the amount of atmospheric carbon dioxide from 1995 to 2015. (4 marks)
- (ii) Draw an annotated diagram to illustrate the radiation activities in the atmosphere. (3 marks)
- (iii) Explain how the trend of change mentioned in (a) (i) affects global mean temperatures with reference to the annotated diagram drawn in (a) (ii). (3 marks)

20. Describe and explain the housing problems in Hong Kong. Discuss whether developing the green belts is an effective way to solve the housing problems. (DSE2016-I-6)

- A discipline in Social Sciences
  - Require **good language abilities** and **data analysis skills**



# 3. What are the special features in Geography curriculum and lessons?

- **Fieldwork learning**
- **Interactive lessons**



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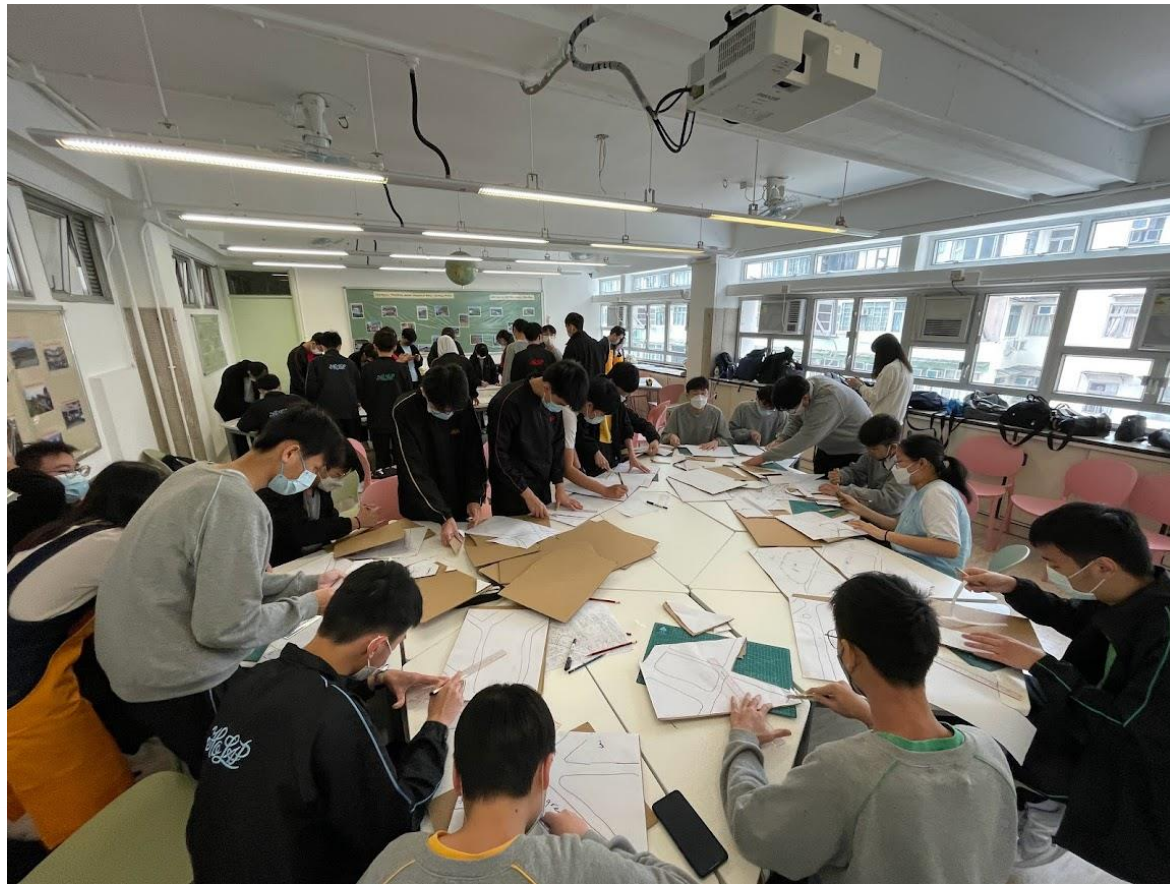
February 2023

- **Fieldwork learning**
- **Interactive lessons**



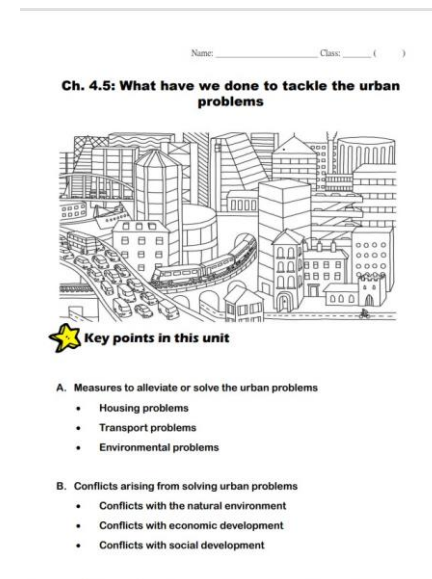
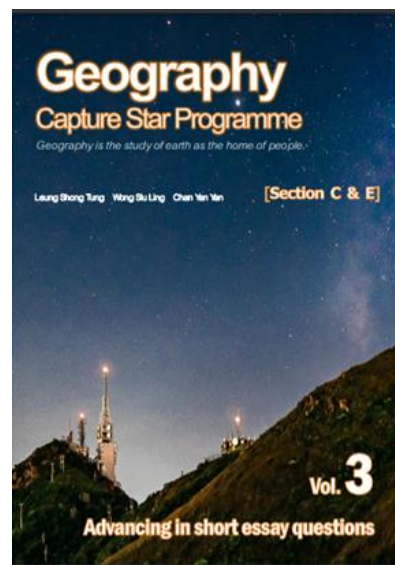
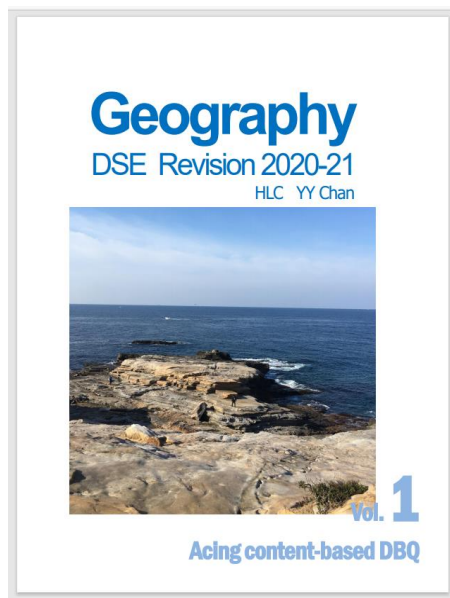
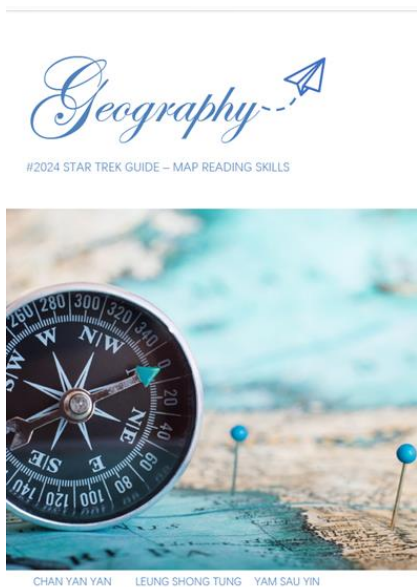
## 2. What are the special features in Geography curriculum and lessons?

City Planning Workshop 11 February 2023



# 3. How does the teacher prepare us for the DSE Examination?

## • School Based Learning materials



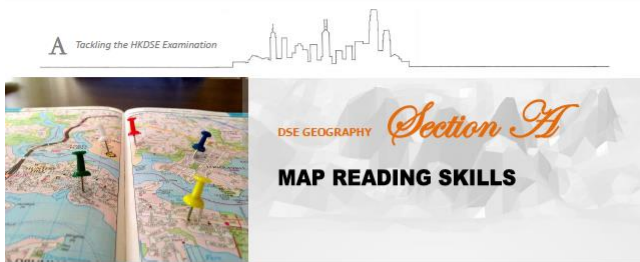
**1 Development** ▶ **2 Consolidation** ▶ **3 Skill strengthening** ▶ **4 Deepening of knowledge and answering skills**





# 3. How does the teacher prepare us for the DSE Examination?

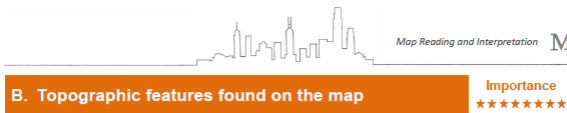
## 3 Skill strengthening



### Question distribution

	2012	2013	2014	2015	2016	2017	2018	2019
Conventional signs	1 (38%)	1 (77%)	2 (82%)	1 (91%)	1 (61%)	1 (68%)	1 (43%)	
Direction	4 (54%)	2 (48%)		2 (37%)	2 (67%)	2 (72%)	2 (56%)	6 (40%)
Distance								1 (62%)
Gradient	3 (43%)	3 (27%)	4 (35%)	4 (53%)	3 (36%)	3 (33%)	3 (30%)	
Area	2 (32%)	4 (50%)	3 (39%)	3 (47%)	4 (38%)	4 (32%)		
Intervisibility			6 (54%)	5 (48%)	5 (67%)	7 (61%)	4 (36%)	
Annotated cross section	5 (31%)				6 (33%)			
Transect		5 (67%)				8 (64%)	8 (80%)	3 (50%)
Drainage pattern			1 (64%)				5 (61%)	
Settlement pattern							7 (54%)	
Application questions		6 (73%) 7 (42%) 8 (69%)	5 (61%) 7 (71%) 8 (72%)	6 (87%) 7 (61%) 8 (87%)	7 (71%) 8 (81%)	5 (63%) 6 (81%)	6 (53%)	2 (68%) 4 (62%) 5 (41%)

You may know what kind of questions will appear in the examination by referring to the above distribution table. Questions concerning gradient and area have the lowest correct percentage in the past years and are frequently assessed.



### 5. Average gradient

$$\text{Gradient} = \frac{\text{vertical distance}}{\text{horizontal difference}}$$

- ★ Vertical distance = difference in the elevation of two points
- ★ Horizontal distance = distance of two points (and multiply the map scale)
- ★ How to measure the horizontal distance (straight line distance or curve line distance)
  - Depend on the object
  - **Straight line:** slope (from X to Y)
  - **Curve line:** footpath, road, river, etc.

#### Question format:

Which of the following is the average gradient of the section of Repulse Bay Road from the road junction at 103618 to the road junction at 107639?

#### Q5: 2017 DSE GEOG 1A Q3 (33%)



Map Extract D1

1. Refer to map extract D1 (1:5 000). Which of the following is the average gradient of the section of Hospital Road from spot height 22.3 (467127) to spot height 69.1 (475121)?

- A. 1:7
- B. 1:10
- C. 1:13
- D. 1:16

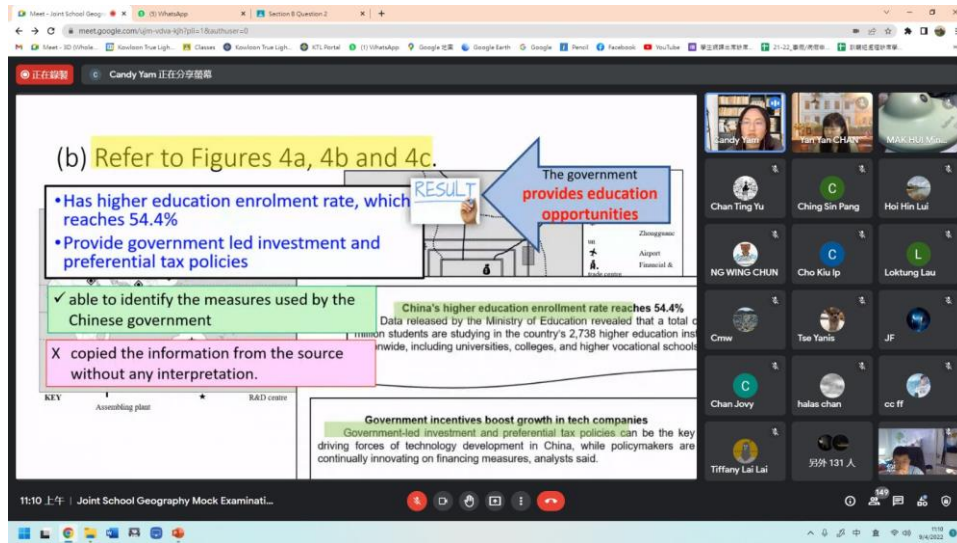
- Map reading skills
- Fieldwork skills
- Essay writing skills



# 3. How does the teacher prepare us for the DSE Examination?

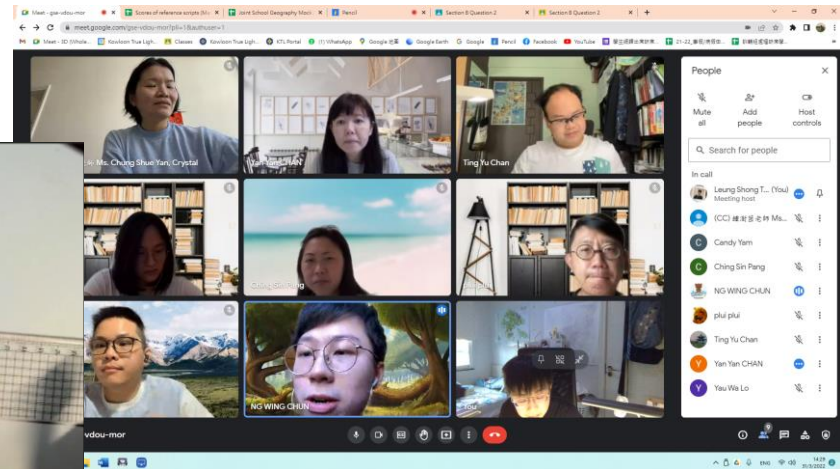
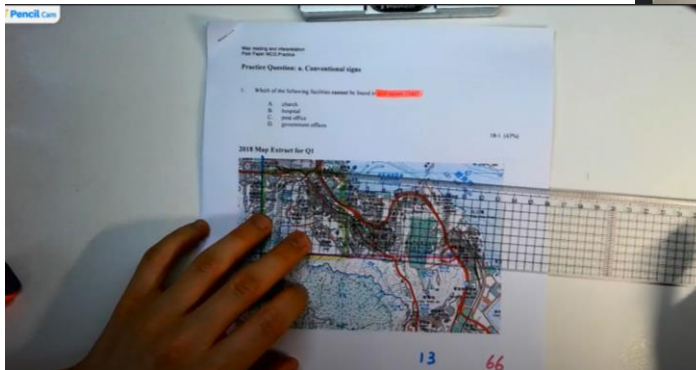


- Joint school activities
- Accurate assessment and grading

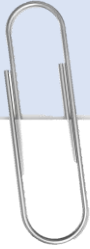


## + 新播放清單

- Final Reminders for 2022 DSE Geograp...  
19 部影片
- HKDSE Map reading classroom  
20 部影片
- HKDSE MCQ Explained: C1 Opportuniti...  
11 部影片
- HKDSE MCQ Explained: C2 Managing R...  
7 部影片
- HKDSE MCQ Explained: C3 Changing In...  
9 部影片
- HKDSE MCQ Explained: C4 Building a S...  
9 部影片
- HKDSE MCQ Explained: C5 Combating ...  
12 部影片
- HKDSE MCQ Explained: C6 Disappeari...  
7 部影片
- HKDSE MCQ Explained: C7 Climate Ch...  
10 部影片



# 4. What are the prospects of studying Geography?



- Generic skills: Broader perspective of thinking

**Further study**

Art/ Social Science stream	Science stream	Business stream
<b>Bachelor of Social Sciences</b> <ul style="list-style-type: none"><li>• Global Studies</li><li>• Urban Studies</li><li>• Geography</li><li>• Urban planning</li></ul>	<b>Bachelor of Science</b> <ul style="list-style-type: none"><li>• Earth Science</li><li>• Environmental Sciences</li></ul>	<b>Bachelor of Business Administration</b>

**Career prospect**

- Project coordinator in NGOs
- Geographic Information System related companies
- Turf management in golf courses
- Hong Kong Government (AFCD, Transport Department)

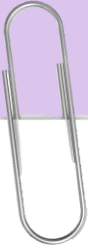


# 4. What are the prospects of studying Geography?

Be Inspired! (Visit to ARUP Group)



# Thank you!



- Consider the followings :

- Abilities
- Interest
- Preparation

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