

QEF Thematic Network
on Web-based Learning for Students with Diverse Learning Needs
(Reading and Writing)
in Junior Secondary Schools 2021-22

Salesians of Don Bosco Ng Siu Mui Secondary School

**How to guide students to write a letter to the editor by
utilizing different elements of multimedia**

Miss Celest Chan Mr. Eddy Yan Miss Natalie Chan
27/7/2022

School Background

- **A boys' school located in Kwai Ching district**
- **The fourth poorest district in HK**
- **Majority of the students come from low-income families**
- **68% of the students are Chinese & 32% are Non-Chinese**

Student features & English Learning

- Our students fall into three categories:

Newly-arrived children / Chinese students	With very little English & know only basic English words in primary/secondary school in China
Non-Chinese students mainly Pakistanis	May have fluent spoken English, but may be weak in spelling, vocabulary and sentence patterns for writing
SEN students	confirmed SEN cases, including SLI, ASD, ADHD and SpLd

Student features and English Language @ NSM

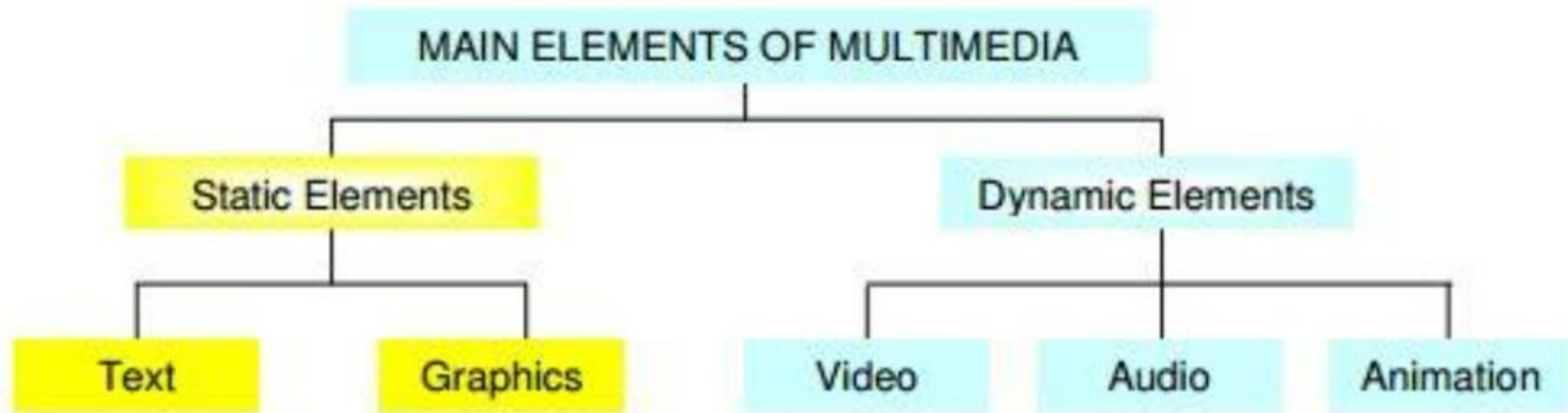
- In general, boys are more active by nature
- Our students, mainly tactile learners, learn better by doing and experiencing
- Students are divided into three learning groups in each junior form by ability
- Small class teaching, with around 10-15 students in each junior group

Areas of Concern

- How to guide students to write a Letter to the Editor by utilizing different elements of multimedia

Target groups:	3 groups of S2 students
Pre- test:	A Letter to the Editor task
Post-test:	2 nd term writing exam

Main Elements of Multimedia



Research about multimedia elements in learning

“The increasing use of multimedia in teaching has provided many opportunities to present multiple representations of content (**text, video, audio, images, interactive elements**) to cater more effectively to the different learning styles and modal preferences of an increasingly diverse student body.”

“The key motivation for incorporating these enhancements into the curricula is unquestionably the desire **to improve the learning performance of students.**”

(Sankey, Birch, Gardiner, 2010)

Source: Engaging students through multimodal learning environments: The journey continues

Research on Multimedia elements & SEN students

“A multimedia learning system for children with Autism or Down’s syndrome. Therefore it is necessary to look into the theory behind multimedia learning. Richard Mayer defines multimedia learning as learning from words and pictures (Mayer, 2001). He states that **“multimedia messages that are designed in light of how the human mind works are more likely to lead to meaningful learning than those that are not”** (p.41). *(Khan, 2010)*

Source: The effects of multimedia learning on children with different special education needs

Why Letter to the Editor?

- A common genre in DSE Paper 2
- An effective way to express their opinions towards a social issue of that they have experienced by themselves

Why this theme?

- Popular topics
- NSM as a future school, well-being school and a community school
- Relevant to our everyday life

Pre-test and Post-Test

Unit	<ul style="list-style-type: none">Unit 3, Save Our Planet, Environmental Protection
Class	<ul style="list-style-type: none">All four S2 classes
Pre-Test	<ul style="list-style-type: none">In Feb, a letter to the editor (form-based, core & advanced levels)
Post-Test	<ul style="list-style-type: none">2nd Term Writing Exam

*Pre-test, Actual Writing Task & Post-test (2nd Term Writing Exam) all with a similar design

All 4 classes

2ABC	Strong
2A	Intermediate
2BC	Weak
2C	Weakest

Pre-test (Core)

Hard for them to produce a letter
Photo descriptions with hints instead



Part A: Photo description

Complete the following photo descriptions by circling the correct options or fill in the blanks with suitable words.

1) Common types of waste

	<ul style="list-style-type: none"> These are some e.g. e.g. <u>batteries/ food waste/ paper and cardboard</u>
	<ul style="list-style-type: none"> We can e.g. <u>recycle</u> them and turn them into useful things.
	<ul style="list-style-type: none"> The cups of bubble tea are made from (1) <u>plastic / paper / wood</u>. It is very hard to (2) <u>refill / recycle / reduce</u> them. They will be sent to (3) <u>sea / landfills / factories</u>.

(2) Environmental problems

	<ul style="list-style-type: none"> (1) <u>Water / light / air</u> pollution is a serious environmental problem in Hong Kong. (2) <u>Toxic gases / rubbish / noise</u> will be released from (3) <u>cars / rubbish bins / factories</u>. (Circle <u>2</u> of them as shown in the picture) They affect the (4) h_____ of human beings.
	<ul style="list-style-type: none"> Another environmental problem in the world is (5) <u>climate change / water pollution / droughts</u>. This problem is often caused by (6) <u>heat project / global warming / hot</u>

(C) Environmental protection



- When we leave the classroom, we should (1) ...
- a. switch on the Big TV.
- b. switch off the Big TV.
- c. put on the Big TV.
- d. put off the Big TV.
- This is because it can (2) _____



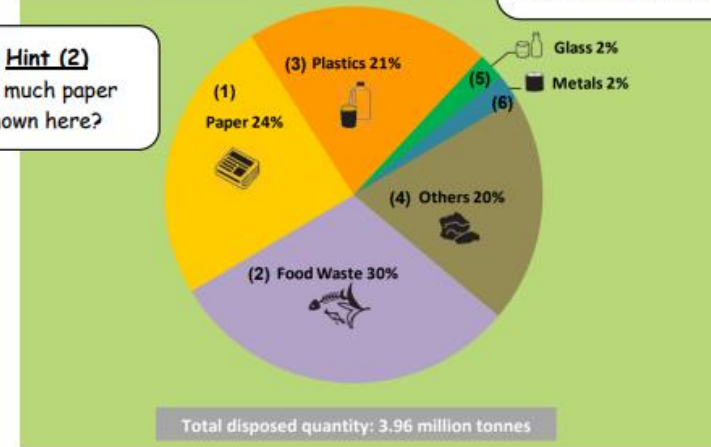
- The 4R is one of the ways to deal with environmental problems.
- The first R is (3) recycle / repair / reduce.
- We should choose products with little (4) p_____ and buy things that we really need.
- The second R is "reuse". For example, we can (5) _____

Part B: Statistics description

Types of waste at landfills in 2020

Hint (2)
How much paper is shown here?

Hint (1)
The title tells you **WHAT** the chart is about.



This chart is about the (1) _____ (title).

(2) _____ (how many?) types of waste were shown in this figure.

In figure 1, (3) _____% (number) of paper was sent to landfills in 2020.

Around 30% of (4) _____ (a type of waste) was sent to landfills in 2020.

In 2020, (5) _____ (Type 3) were sent to landfills.

Pre-test in google form

3. They will be sent to _____.



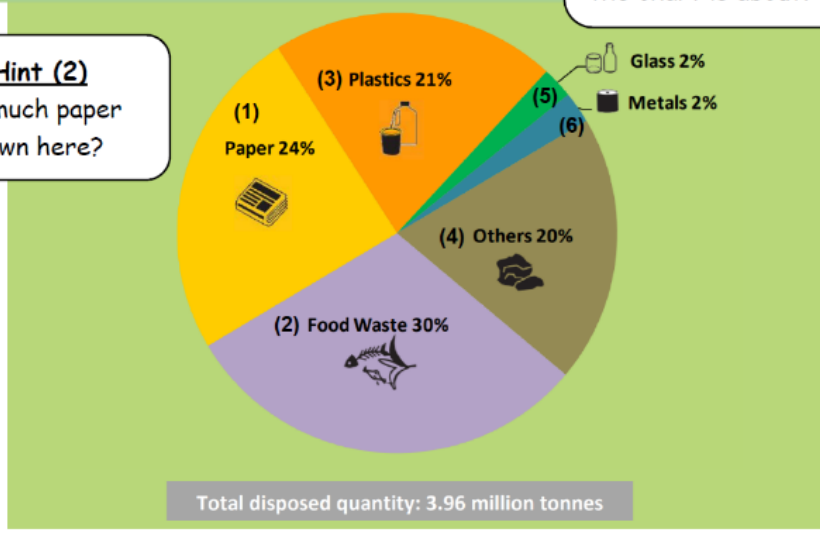
- sea
- landfills
- factories

Part B: Statistics description

Types of waste at landfills in 2020

Hint (2)
How much paper is shown here?

Hint (1)
The title tells you **WHAT** the chart is about.



This chart is about the (1) _____ (title). ... types of waste were shown in this figure.

Short-answer text
.....

Short-answer text
.....

Pre-test samples

(2) Environmental problems



• (1) ~~Water~~ / ~~light~~ / ~~air~~ pollution is a serious environmental problem in Hong Kong.

• (2) ~~Toxic gases~~ / rubbish / noise will be released from (3) ~~cars~~ / rubbish bins / factories (Circle 2 of them as shown in the picture)

• They affect the (4) ~~hear~~ ^(health) of human beings.



• Another environmental problem in the world is (5) climate change / ~~water pollution~~ / ~~droughts~~.

• This problem is often caused by (6) ~~heat project~~ / ~~global warming~~ / ~~hot issues~~, which the surface of Earth becomes (7) ~~hot~~ ^(hotter).

Question

Correct responses

3. They will be sent to _____.

4/9

5. You can put them into the 3-coloured r_____ b_____.

2/8

8. We should not order too much food as they might become f___ w_____.

3/8

4. They affect the h_____ of human beings.

2/8

5. Another environmental problem in the world is _____.

4/9

This problem is often caused by ... , which the surface of Earth becomes (7) h_____.

3/9

1. When we leave the classroom, we should _____.

4/9

2. This is because it can _____

3/9

The 4R is one of the ways to deal with environmental problems. The first R is We should choose products with little (4) p_____ and buy things that we really need.

1/9

This chart is about the (1) _____ (title). ... types of waste were shown in this figure.

1/9

This chart is about the (2) _____ (how many?) types of waste were shown in this figure.

3/9

In figure 1, (3) __% (number) of paper was sent to landfills in 2020.

2/8

Around 30% of (4) _____ (a type of waste) was sent to landfills in 2020.

2/9

In 2020, (5) _____, _____ and _____ (Type 3) were sent to landfills.

3/9

Pre-test (Core) Performance

- Best Part was 1. Type of waste, scored 6 marks out of 8.
- Okay in 2. Environmental problems
- Not too satisfactory in 3. Environmental protection
- Could not generate solutions from different perspectives
- Statistics description: 0/1 out of 5 marks

Pre-test (Advanced)

Authentic setting: school campus
Everyday issue

You are Chris Wong, one of the students in Salesians of Don Bosco Ng Siu Mui Secondary School.

Recently, an increase of cases with students carelessly handling rubbish on campus has been reported in morning assemblies. There is a need to raise students' awareness on how to handle rubbish properly and the importance to protect the environment.

With reference to the figures on Page 2, write a letter to the editor to Hong Kong Daily to express your opinions towards this observation. Write about 150-180 words. You may wish to talk about:

- what the problems are
- what negative effects they will bring out
- THREE suggestions to solve the problems
- benefits to students in the school or the environment

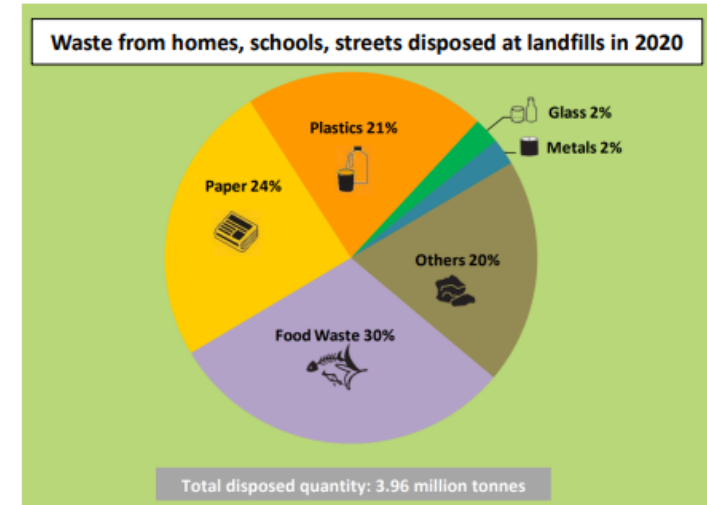


REFUSE
what you don't need.
Say no to anything single-use.
THINK REUSABLE.

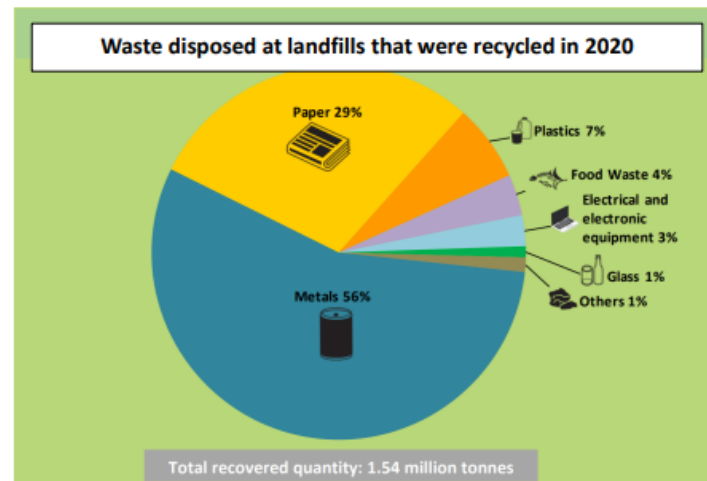
REDUCE
what you do need.
Choose products with less packaging and purchase in bulk when possible.

REUSE
anything that you can.
Invest in items that can be used more than once.

RECYCLE



(Figure 1)



(Figure 2)

Pre-test (Advanced) Performance

- Scored 6-10 marks out of 16
- Some sense on how to write a formal letter but not solid e.g. wrong salutation
- Some observation of the problem (mainly by sense of sight)
- Background of issue and solutions put in the same paragraph
- Fail to think of solutions/ impacts from broader perspectives
- Paragraphs not in right proportion

Pre-test (Advanced) Samples

Some sense of a formal letter
Mainly sense of sight
Wrong salutation

Dear editor,

I am one of the students from Salesians of Don Bosco Ng Siu Mui secondary school. I had seen your newspaper about the environment before, and I really like your newspaper because they are very detailed and informational. But this time, I litter you because I need you to tell everyone the problems in our school. The teachers noticed there was some

rubbish around the school area th To the editor of Hong Kong Daily,

the chair. The teachers reported a

were very upset and disappointed I am the student of Salesians of Don Bosco Ng Siu Mui Secondary School.

Dear Editor.

I am writing

Recently, I see my schoolmate carelessly handling rubbish on campus. I feel so disgusted of this.

Observation in my school. Recently, an increase of cases with students carelessly handling rubbish on campus has been reported in morning assemblies. There is a need to raise student's awareness on how to handle rubbish properly and the importance to protect the environment.

According to a report about the Hong Kong landfills in 2020, 21% of the waste is plastic. We can try to use less plastic to help protect our environment.

I would like for for our school with plastic bottles, plastic paper bags, boxes. Put a place for every school. If we don't, earth will be. I hope could help.

In 2020, waste from home, school, streets disposed at landfills were 3.96 million tonnes. Paper was accounted for 24%, plastics were accounted for 21%, food waste was accounted for 30%, glass was accounted for 2%, metals were accounted for 2% and others were accounted for 20%.

In 2020, waste disposed at landfills that were recycled were 1.54 million tonnes. Paper was accounted for 29%, metals were accounted for 56%, plastics were accounted for 7%, food waste was accounted for 4%, electrical and electronic equipment were accounted for 3%, glass was accounted for 1% and others were accounted for 1%.

I think my school should put 1 or more of recyclables collection bin in the playground. Also, school should set up lectures on environmental protection to let the student know how to refuse, reduce, reuse and recycle. The school can set up an environmental protection award scheme to help students become more active in environmental protection too.

by Chris Wong

Chris Wong

Some use of statistics
Background and solution
put together
Statistics more than solutions

Pre-tasks






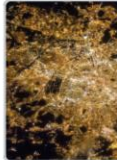
To help students familiarise with the topic, we used the platform Nearpod and included a lot of multi-media elements on teaching the follow things,

1. Thematic vocabulary of types of waste, environmental problems & protection
2. More environmental issues e.g. greenhouse effect, landfills, sustainable energy, extinct animals, etc.
3. Environmental issues in the Hong Kong context

Strategy 1: Nearpod with rich multimedia elements


Match the pictures with their corresponding name below.

Instructions

	cardboard		aluminium cans
reuse	glass bottles		
plastic bottles			

Nearpod 3D

Observe a 3D model



Question 1 / 1

What is this animal?

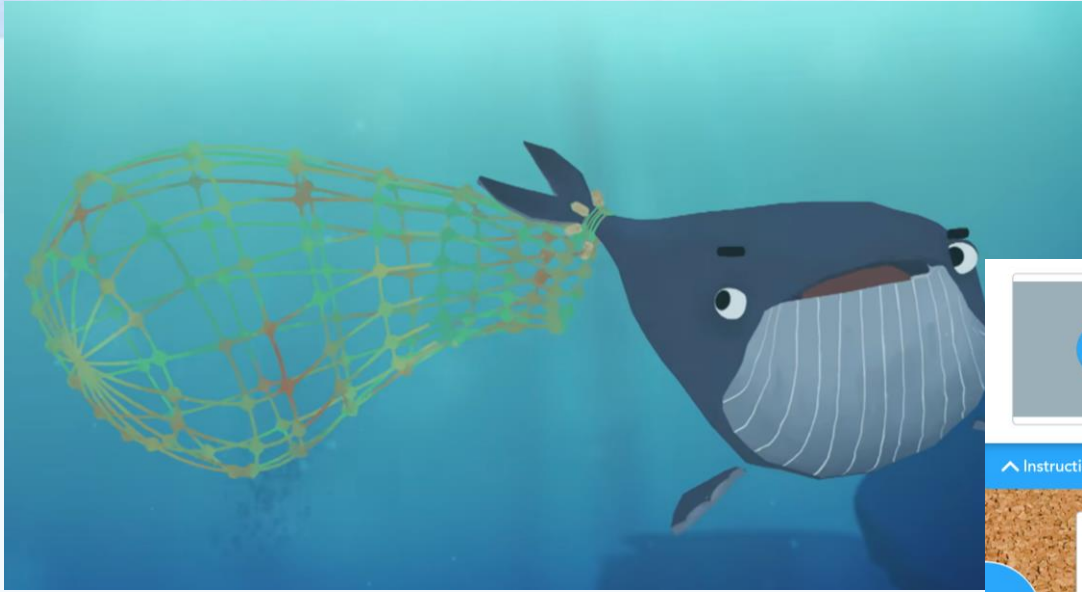
Ready? Enter your answer here.


- A. Shark
- B. Whale
- C. Dolphin

Slide 7 / 12


Vocab & picture matching


Graded questions



 **Impacts of the environmental problems**
1. What problems can you spot from the video? 2. Are they long-term ones or short-term ones? 3. What creatures are being affected by the problems?

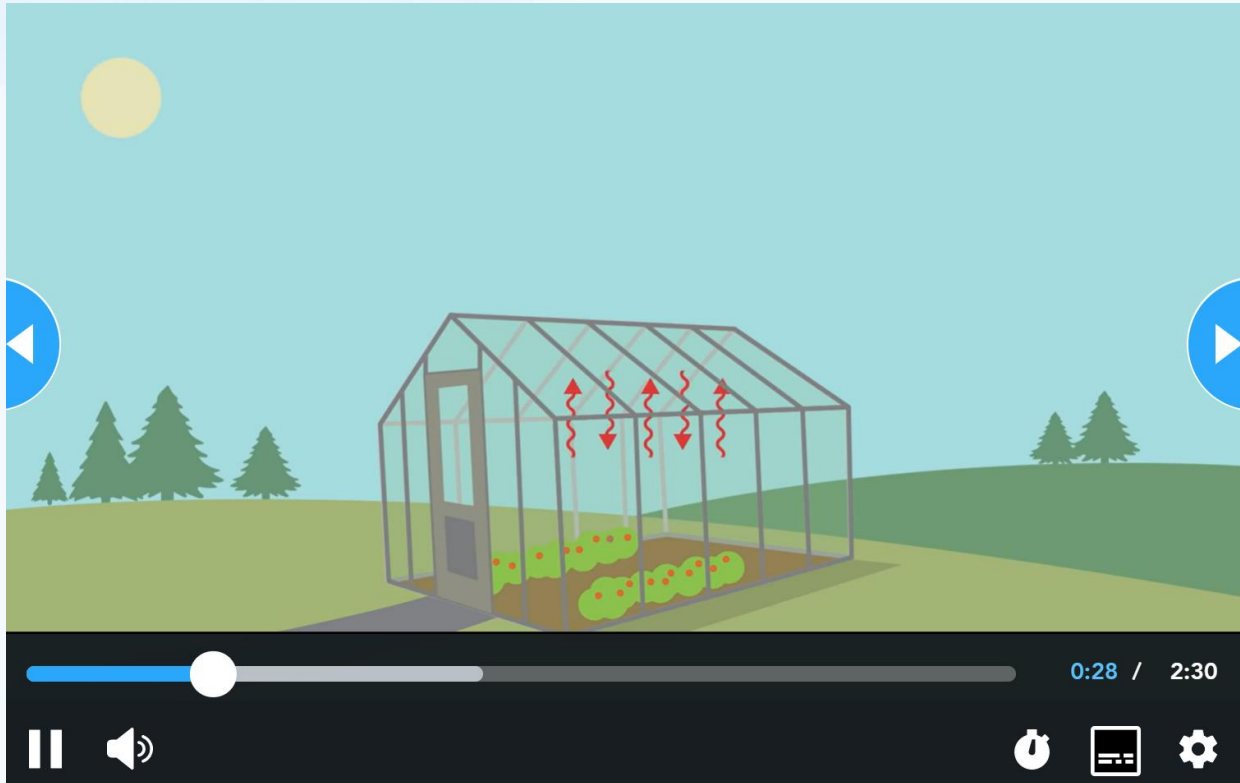
^ Instructions

***** 
water pollution
❤️ 0

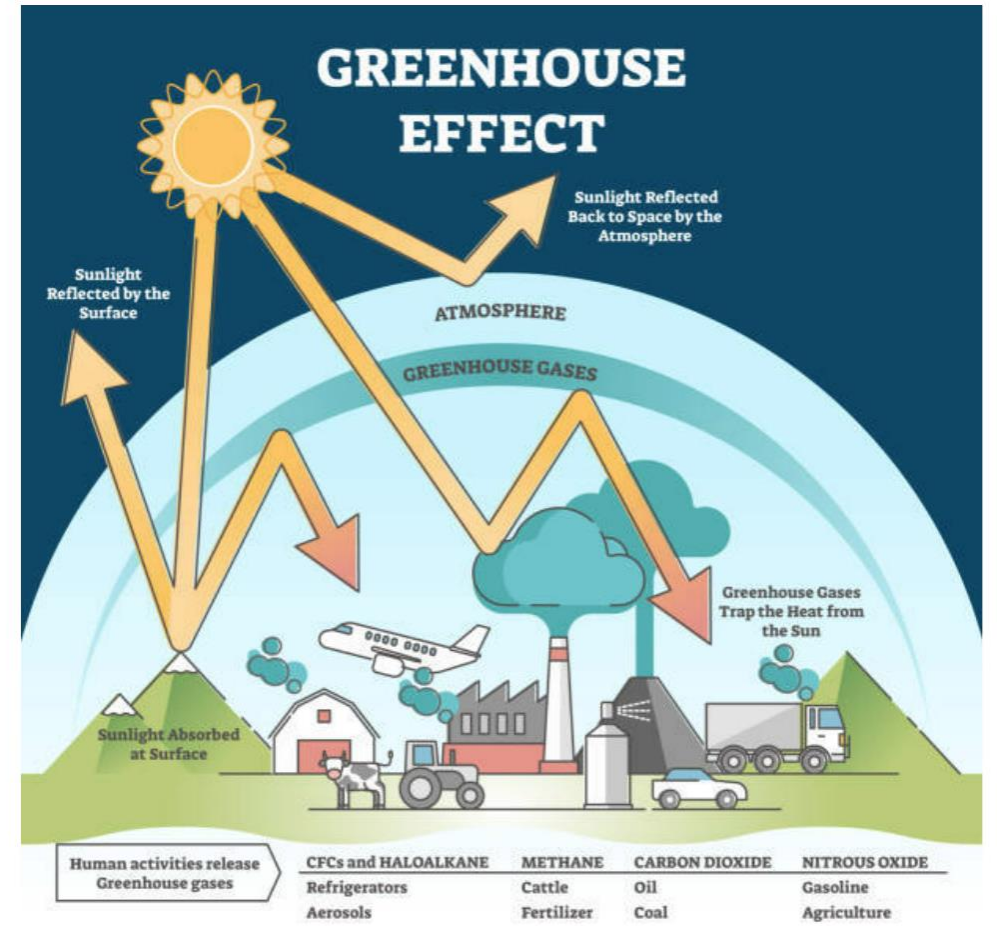
Share your thoughts 

Thematic Cartoon Videos

Open-ended questions in a collaborative board



**Cartoon video of important concept:
Greenhouse effect**



Infographic of Greenhouse effect

A flowchart about greenhouse effect

Stage 1. During the day, the  shines through the . Earth's surface  up in the sunlight. At night, Earth's surface , releasing heat back into the air.

Stage 2. Heat is  by the  gases, such as  in the atmosphere. That's what keeps our Earth warm.

Convert an important concept into a flow chart



Fill in the blanks

Stage 1. During the day, the [] shines through the [] Earth's surface [] up in the sunlight. At night, Earth's surface [] releasing heat back into the air.

Stage 2. Heat is [] by the [] gases, such as [] in the atmosphere. That's what keeps our Earth a warm

- Dioxide
- trapped
- Carbon
- Sun
- warms
- greenhouse
- cools,
- atmosphere.

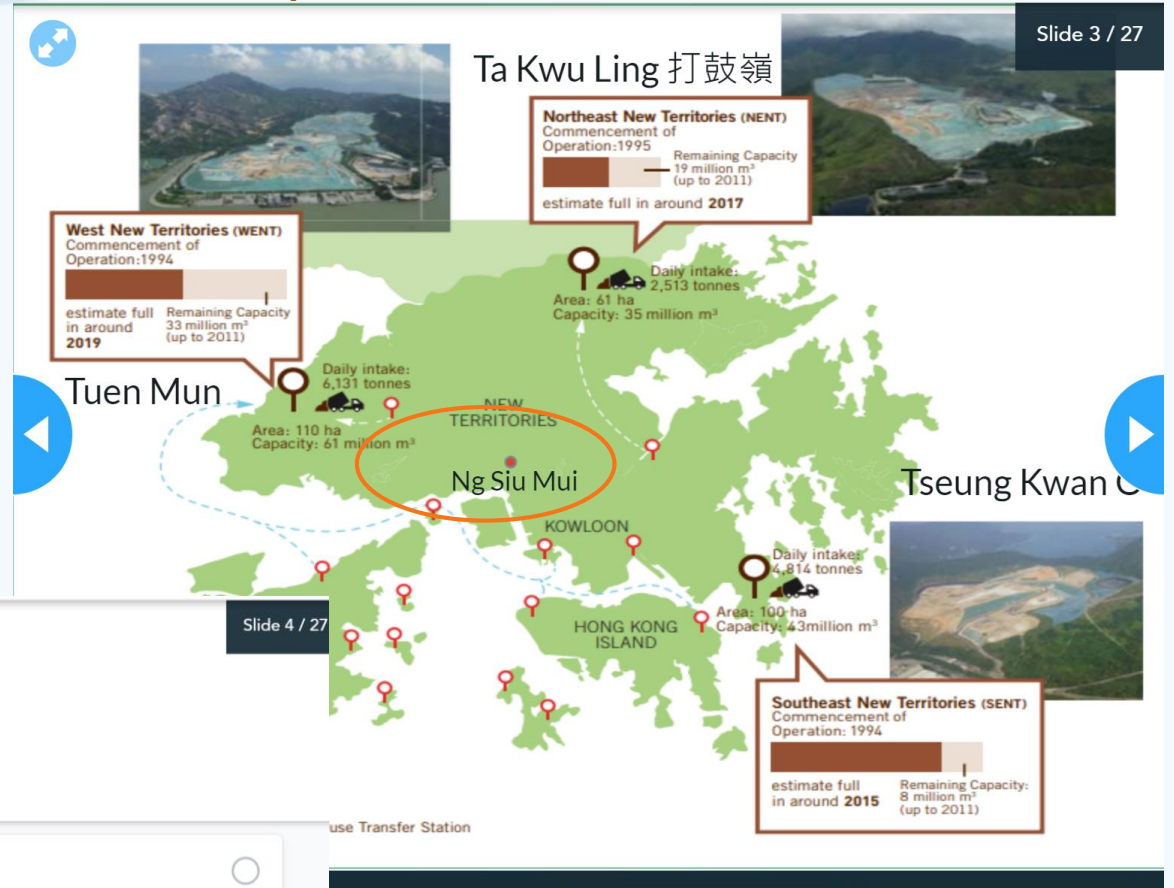
DONE

Flow chart in a drag-drop exercise



Slide 2 / 27

Infographic of landfill locations (with our school included)



Slide 3 / 27

Slide 4 / 27

Question 1 / 1

Which one is the nearest landfill to Ng Siu Mui?

A. Tseung Kwan O

B. Tuen Mun

C. Ta Kwu Ling

360 video of a landfill

Question linked to infographic and our school

2A by Katy (Intermediate Chinese group)

Lesson: Lesson 1 (Advanced) (1) nearpod Post Session Report

Matching Pairs Match the pictures with their corresponding name below. 57%

Date	Nickname	Other	Matches	Tries	Activity Completed
05/04/2022	2Æ04	KEEVIN	12	18	✓
05/04/2022	BOSCO	bosco(博斯科)	12	15	✓
05/04/2022	Chun	Wuchun	12	22	✓
05/04/2022	Chun	Ng chun	-	-	✗
05/04/2022	Daniel	Hyundai Rotem	5	10	✗
05/04/2022	James Hung Kagerou		12	12	✓
05/04/2022	Katy		1	1	✗
05/04/2022	Matthew		12	16	✓
05/04/2022	Matthew		-	-	✗
05/04/2022	Ray	CE34	2	11	✗
05/04/2022	Yau	Alex	12	17	✓
05/04/2022	周耀恩	XiaoYuyy	12	30	✓
05/04/2022	胡nick		-	-	✗
05/04/2022	胡nick		12	22	✓

Matching Pairs Match the pictures with their name below. 64%

Date	Nickname	Other	Matches	Tries	Activity Completed
05/04/2022	2Æ04	KEEVIN	7	8	✓
05/04/2022	BOSCO	bosco(博斯科)	7	8	✓
05/04/2022	Chun	Wuchun	-	-	✗
05/04/2022	Chun	Ng chun	7	8	✓
05/04/2022	Daniel	Hyundai Rotem	7	12	✓
05/04/2022	James Hung Kagerou		7	7	✓
05/04/2022	Katy		-	-	✗
05/04/2022	Matthew		7	7	✓
05/04/2022	Matthew		-	-	✗
05/04/2022	Ray	CE34	-	-	✗
05/04/2022	Yau	Alex	7	11	✓
05/04/2022	周耀恩	XiaoYuyy	7	9	✓
05/04/2022	胡nick		-	-	✗
05/04/2022	胡nick		7	7	✓

Matching Pairs Match the pictures with their name below. 64%

Date	Nickname	Other	Matches	Tries	Activity Completed
05/04/2022	2Æ04	KEEVIN	12	14	✓
05/04/2022	BOSCO	bosco(博斯科)	12	18	✓
05/04/2022	Chun	Wuchun	-	-	✗
05/04/2022	Chun	Ng chun	-	-	✗
05/04/2022	Daniel	Hyundai Rotem	12	21	✓
05/04/2022	James Hung Kagerou		12	13	✓
05/04/2022	Katy		4	5	✗
05/04/2022	Matthew		12	13	✓
05/04/2022	Matthew		-	-	✗

2/5

Lesson: Lesson 1 (Advanced) (1) nearpod Post Session Report

05/04/2022	Ray	CE34	12	51	✓
05/04/2022	Yau	Alex	12	14	✓
05/04/2022	周耀恩	XiaoYuyy	12	26	✓
05/04/2022	胡nick		-	-	✗
05/04/2022	胡nick		12	20	✓

Matching activity 1: ↓
8/14 students got all correct ↓

Matching activity 2: ↓
9/14 students got all correct ↓

Matching activity 3: ↓
9/14 students got all correct ↓

Easy to collect data

Impacts of the environmental problems

1. What problems can you spot from the video? 2. Are they long-term ones or short-term ones? 3. What creatures are being affected by the problems?

Instructions

Teacher water pollution ♥ 0	2/Æ04 Water pollution ♥ 1	Teacher long term ♥ 1	Matthew water pollution, long term, sea creatures (examples: turtles, whales and more) ♥ 1	James Hung Kagerou water pollution ♥ 1	Daniel Water pollution ♥ 0
2/Æ04 Long-term ♥ 1	Teacher fish is being affected ♥ 0	2/Æ04 Sea creature ♥ 1	胡nick Water pollution ♥ 0	Katy long term problem ♥ 0	Katy ocean animals/ sea creatures will die ♥ 0
Chun fish are all die ♥ 0					

Learning focuses

1. The purpose of writing of a letter to the editor
2. The structure of a letter to the editor
3. The introduction paragraph with personal experience and the use of 5 senses
4. The background paragraph with relevant statistics
5. The impact paragraph with the use of the stakeholders' triangle
6. The solution paragraphs with the use of the stakeholders' triangle

Writing Task

Writing task

You are the chairperson of your school's Environmental Club. Last week, you visited one of the locations shown in the following picture and was worried of the pollution you saw there. You have decided to write a letter to the editor to Hong Kong Daily to express your opinions and offer solutions to the problem. Write about 150 – 180 words.



Strategy 2: Authentic contexts



- <https://www.thinglink.com/scene/1527893883223015427>
- Created by EdU
- Related to authentic places in HK context
- With sound, 360 videos and questions
- Pseudo-field trips under Covid
- Provide more observation before writing
- Useful to students who have never visited these places



Tuen Mun River and water pollution



Mongkok refuse station and land pollution



Lamma Power Station and air pollution







Victoria Harbour and light pollution

Strategy 3: Reading authentic data

Statistics

After stating your position on an issue, you need to back it up with some facts. It can be done by doing some research on the issue. This will make your letter more convincing.

Go online to conduct research for data that is relevant to the location you have chosen as well as the environmental problem. Here are some links for your reference.

<p>Tuen Mun River</p> <p>QR code</p> 	<p>Mongkok Road Refuse Collection Point</p> <p>QR code</p> 
<p>Lamma Power Station</p> <p>QR code</p> 	<p>Victoria Harbour</p> <p>QR codes</p> 

Refuse & Junk Collection

	2018	2019	2020	2021
Average Daily Collection (in tonne)	5 919	5 832	6 097	6 132

Cleansing

Facilities (as at 31 December)	2018	2019	2020	2021
No. of Public Refuse Collection Points	2 970	2 914	2 930	3 008
No. of Public Toilets	799	799	808	807
No. of Public Bathhouses	27	27	26	26
No. of Aqua Privies	53	51	40	35

Data about Refuse Collection Points

https://www.fehd.gov.hk/english/statistics/pleasant_environment/statistienh_2018_2021.html#

Food and Environmental Hygiene Department

Current situation of light pollution in HK

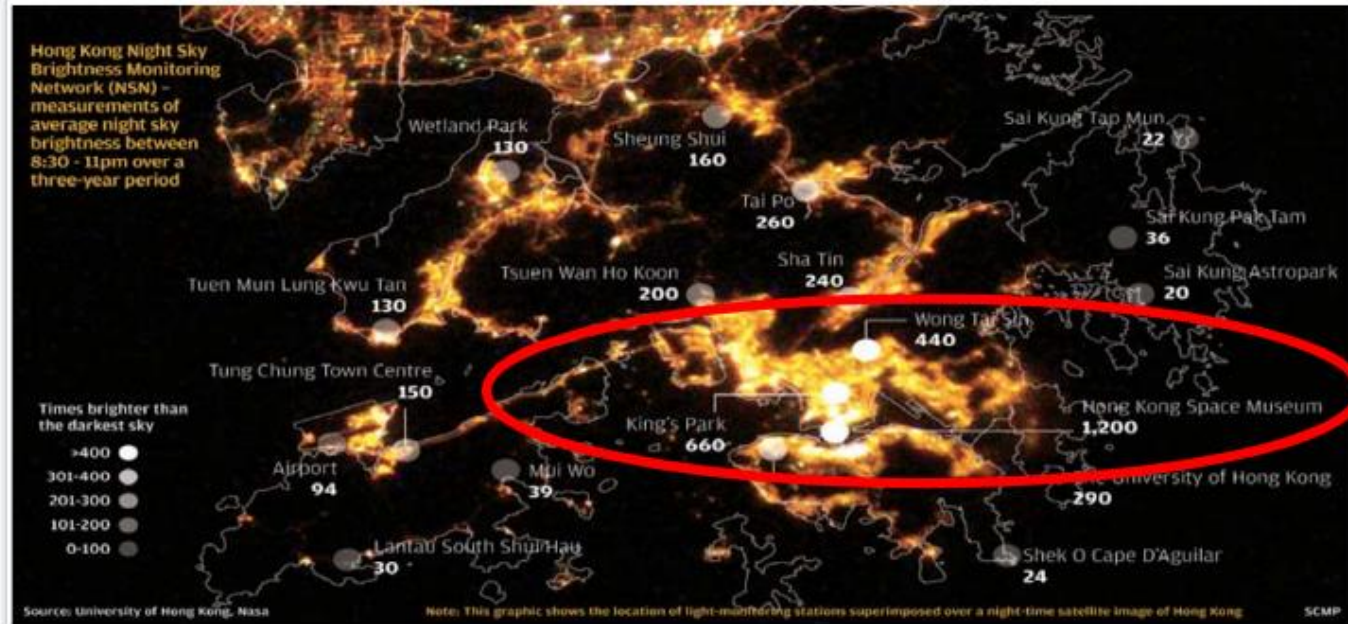


Figure 1: Measurements of average night sky brightness between 8:30-11pm over a three-year

0 = normal dark sky

- e.g. HK Space Museum (Tsim Sha Tsui) is 1200 times brighter than the dark sky.
- The overall brightness of the Hong Kong night sky is > 30 times higher than that of in other countryside.
- The light pollution in HK is very serious.

Mongkok Road Refuse Collection Point



What is the source of the information?	
What is the amount of daily junk and refuse collected in 2019?	
What is the amount of daily junk and refuse collected in 2020?	
The amount of daily junk and refuse collected has increased from _____ in 2019 to _____ in 2020.	
How many refuse collection points are there in 2019?	
How many refuse collection points are there in 2020?	
The number of refuse collection points has increased from _____ in 2019 to _____ in 2020.	
Overall, it means that the amount of rubbish we create has _____ from 2019 to 2020.	

5

Write down data collected

Tuen Mun River



ce of	e.g. Environmental Protection Department
the	
to be	
water	
How was the water there treated?	
What is the problem with such treatment?	

Add statistics to your introduction

Example:

State the source of information:

According to the **Environmental Protection Department** (*Source of information*).

1st Data:

the total quantity of solid waste disposed of at landfills **was 5.39 mill**

data in **2020** (*year of information collected*).

2nd Data:

Food waste **accounts for 30 per cent** (*2nd data*) of it followed by **waste**
plastics.

Closing sentence:

In short, **we have created a lot of waste and we have to deal with it.**

Transfer data into a paragraph

Write your own:

State the source of information:

According to the _____ (*Source of information*).

1st Data:

2nd Data:

Closing sentence:

In short,

Strategy 4: Role Play

Oh my god! This river near my home is so disgusting. I cannot stand the smell. Look! There is some much rubbish in the water. Plastic bags, polystyrene containers. How come?

What is the environmental issue?

Who is this stakeholder?

Why he/ she/ they think like that?

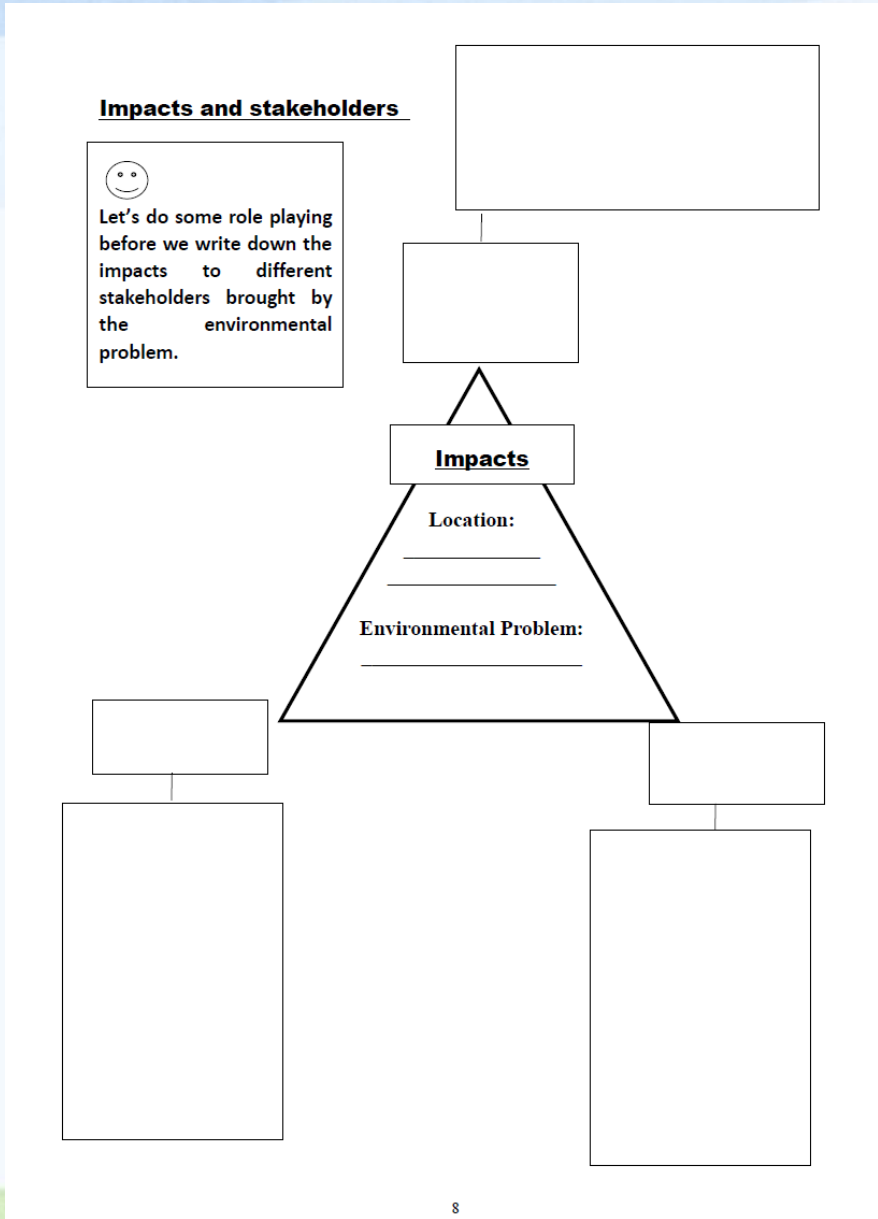
The smell from this refuse collection point is unbearable.
Oh, did a mouse just appear in front of me?
ARRGHHHHHHHHH..
I gotta get out of here.

What is the environmental issue?

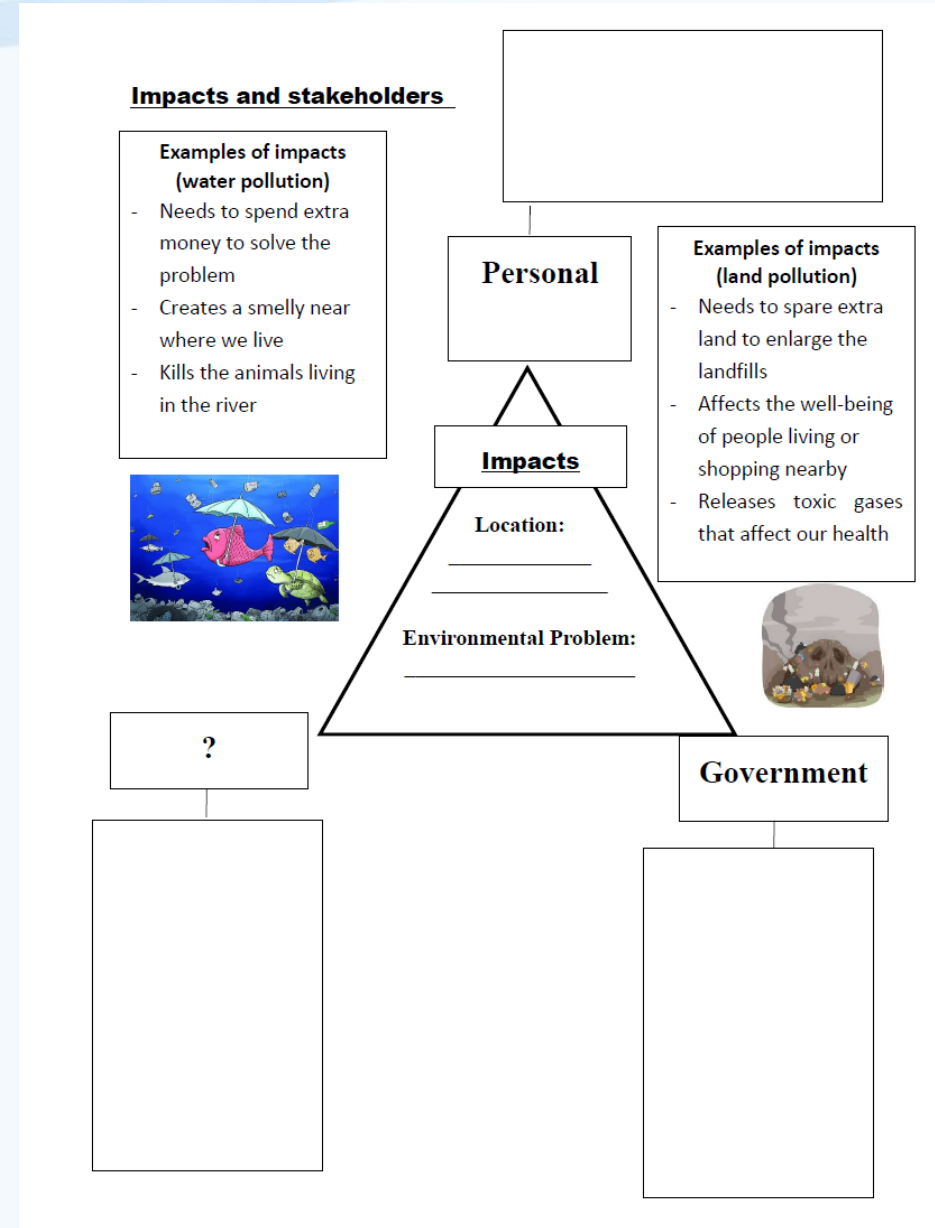
Who is this stakeholder?

Why he/ she/ they think like that?

Advanced



Core





Land pollution

- To promote local recycling, the Government has developed an Eco Park in Tuen Mun to provide long term land for the development of the recycling industry and valued-added recycling processes.
- \$1 billion recycling fund was introduced to encourage recycling into useful resources and products.

Who is this stakeholder?
What can the stakeholder do?

Air pollution



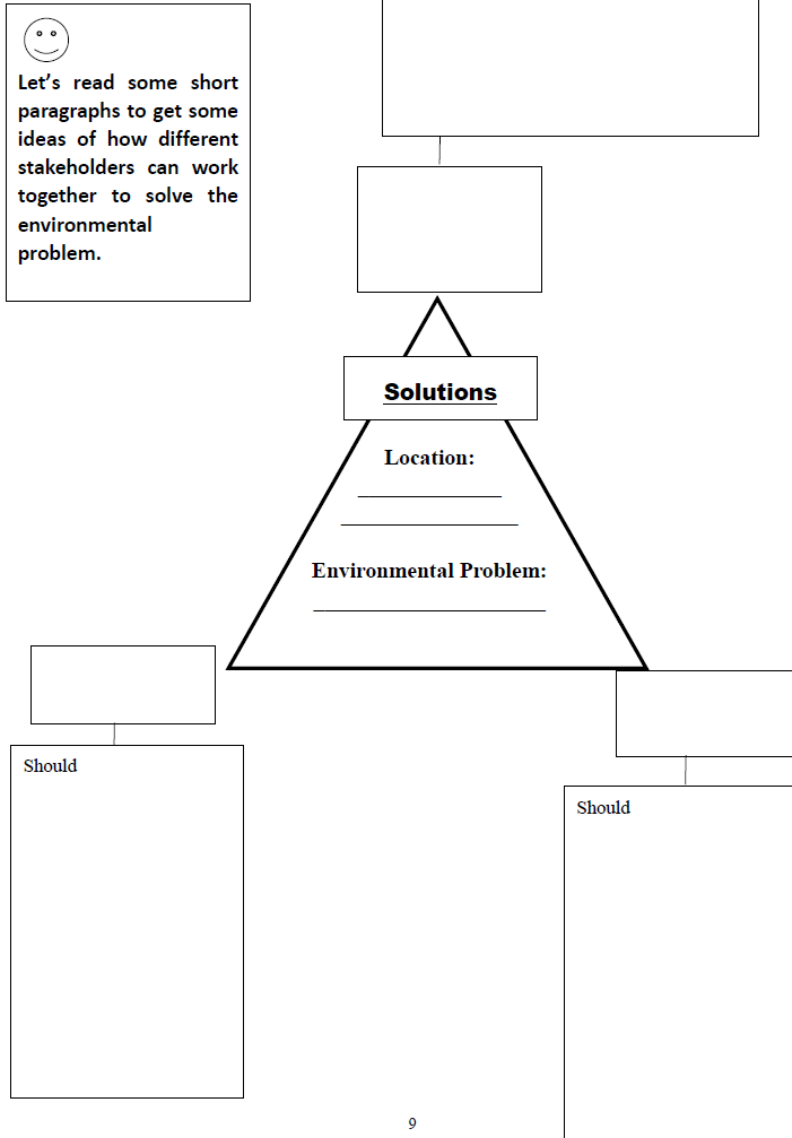
3. Eco-friendly transportation

Shifting to electric vehicles and **hydrogen vehicles**, and promoting shared mobility (i.e carpooling, and public transports) could reduce air pollution.

Who is this stakeholder?
What can the stakeholder do?

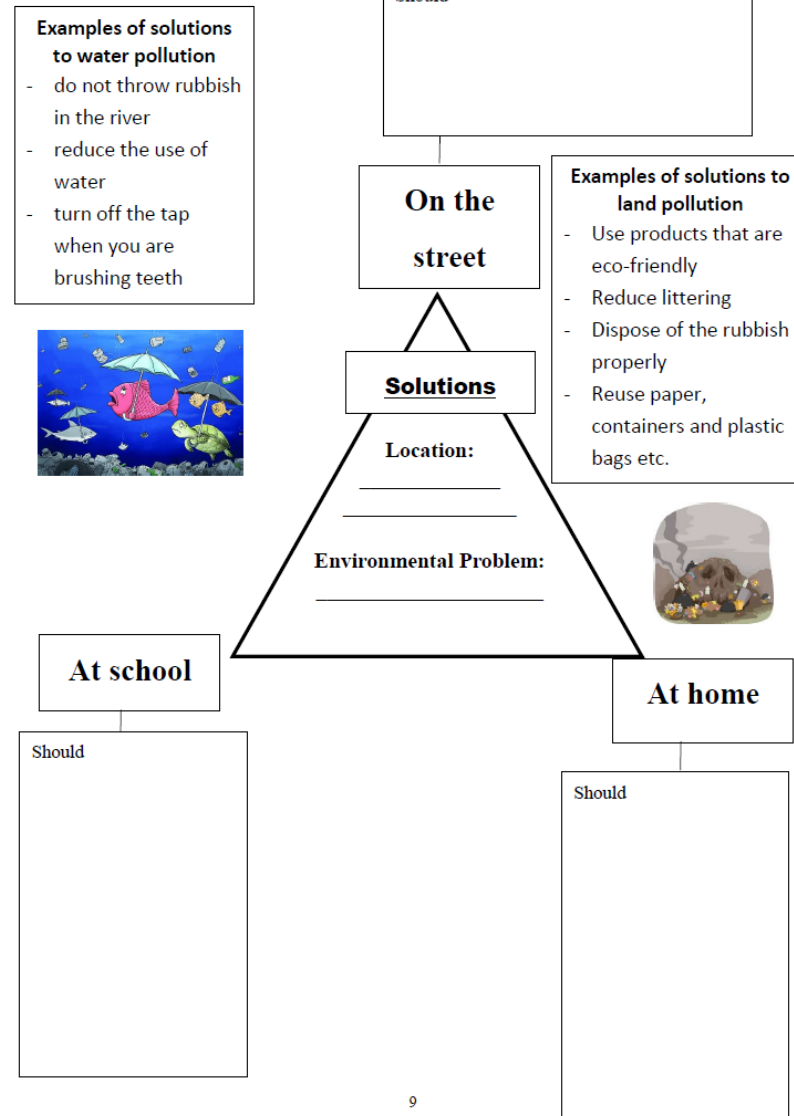
Advanced

Solutions and stakeholders



Core

Solutions and stakeholders



Introduction (Classwork)

Dear Editor,

I am writing to express my concerns about the light pollution in Victoria Harbour. This issue came to my attention since I had visited Victoria Harbour last month. I was ~~se~~ shocked by ~~some~~ such a brightness place in the Victoria Harbour. ~~I~~ I saw a lot of lights were opened, a lot of ^{noise} ~~noise~~ of the ^{brightness} ~~lighting~~ opens and close and ~~stare~~ the lights are opened for a long time. ~~it was very hard to touch because the light were too hot.~~

- made use of 5 senses & personal experience (e.g. hot billboards, noise & bright lights)

Dear Editor,

I am writing to express my view on the water pollution of Tuen Mun River in Hong Kong. ^{3 days ago} ~~Last week~~, I visited Tuen Mun River with my friends. I saw smelled aluminium cans, glass bottles, ^{and} plastic bottles, ^{and} paper cardboard. I felt very bad, unhappy and annoyed so I want to talk about it.

- described his observations & feelings

Use of statistics (Classwork of more able students)

The air pollution problem in Hong Kong is very serious.

Hong Kong mainly make from Coal-fired and Gas-fired units. According to Hong Kong Electric, Coal-fired is 2000 and Gas fired is 1235. As we see the use of coal-fired is more than gas fired. Both of them will release harmful materials and gases like Carbon Dioxide, Nitrogen Dioxide, Sulphur Dioxide and Respiratory Suspended particles. But Coal-fired units release more ^{of these} substances than the gas-fired units.

- A strong topic sentence, supported by reliable data

The land pollution problem in Hong Kong has been getting worse year by year. According to the Food and Environmental Department, the amount of daily junk and refuse collected has increased from 5882 tonnes in 2019 to 6097 tonnes in 2020. The number of refuse collection points has increased from 2914 in 2019 to 2930 in 2020. Overall, it means that the amount of rubbish we create has increased from 2019 to 2020.

- Tried to describe not only the numbers but also the trend

Use of statistics (Classwork of less able students)

According to the Environmental Protection Department,
The water quality index was 13 in 2020. In short, the water quality index of Tuen Mah River is very poor.

According to the water quality monitoring stations,
The water quality index of the upper river is 12. In short, water quality is bad.
The upper part of the river was found to be polluted.
The water there was dirty and toxic and polluted.
The water there was treated by septic tanks.
It causes water pollution.

- Quoted data from reliable sources

Impacts (Classwork of more & less able students)

There are serious impacts to a number of stakeholders. For example, the government need to reserve more land to build landfill sites. Tourists will have a bad image of Hong Kong, this may affect the tourism industry. The rubbish at the landfill sites will attract flies and other pests which may spread deadly diseases, affecting nearby residents.

There are serious impacts brought by stakeholders. They need to spend extra money to solve the problem. The river creates a smelly near where people live. It also kills the sea animals living in the river.

- **Used some complex sentence patterns**

Solutions (Classwork of more able students)

Firstly, the solution is ~~that~~ that government need to set a limit on light used in each outdoor advertisement and corresponding watts of light used and set period time of using lights for example set a time for the lights that should be closed.

Moreover, the solution is that the enterprises or residents who turn on their advertising boards during midnight and overnight would be responsible to pay the tax, ~~just~~ just like carbon tax.

Finally, World wide Fund, companies, ~~and~~ buildings and landmarks like IFC should educate the public the importance of saving energy and switch off the lights for an hour, either at home, at office or

- Generated solutions from different stakeholders (e.g. government, enterprises & NGOs)

Solutions (Classwork of less able students)

When we are doing

Firstly, we should save water, ~~hoseworking~~ or washing dishes ~~use~~ ^{we should} water and take a shower ~~not~~ a bath. ^{don't} use too much.

Secondly, we should stop throwing trash into the ocean, sea or river. If we don't stop throw trash into ocean, there will be not enough clean water for us.

Thirdly, we should not over ~~the~~ hunting sea animals. ~~becomes~~ It will destroy the water ~~environmental~~.

Firstly, we should not ~~to~~ throw plastic or rubbish into Tuen Mun River and At home we should save water. At school we should organise a clean-up activity at Tuen Mun River. we should tell our classmates to keep Tuen Mun River clean.

- Generated some solutions from personal perspective

Introduction (Post test)

Dear Editor _____,

I am writing to talk about the food waste, Usage of water and

land pollution in Hong Kong. Yesterday, I visited one of

the ^{pl.} restaurants in Mong Kok. I was shocked when I saw

the food waste in the restaurant, I saw many customers ordered

so many ^{types of} food and they even could not finish the food that they

ordered, After they put all the food in to the rubbish bin.

~~I also saw~~ they used a lot of plastic and polystyrene containers

to serve the customers with take-out, when I went to

the toilet, I saw they never stop the tap ^{Neither?} kitchen

or the toilet, So I want to write about it.

toilet

- made use of 5 senses (personal experience)

1. Why are you writing?
2. Where did you go yesterday?
3. What did you see / smell in the restaurant? (Make use of 5 senses)
4. How did you feel? (shocked? disgusted?)



Dear Editor _____,

I am writing to talk about the waste and pollution that
the restaurant and customers created
in Hong Kong.

I visited one of ~~one~~ the restaurants in
Mong Kok. When I walked in, I saw
customers ordered too much food that they
can't finish. I smelled a horrible smell that
was coming from the rubbish bin, I was
very close to throw up. I ^{heard} heard that the
tap water in toilets were still running.

I felt disgusted and ~~shocked~~ by looking
where were they doing so I want to
write about it.

Use of statistics (Post test of more able students)

According to Environmental Protection Department,
The amount of food waste of Hong Kong ^{restaurants} each day is increasing day by day. In 2018 it was 250 ^{of food waste} tonnes of food waste. In 2022 it is 325 tonnes. It got increase 75 tonnes more. The amount of disposables used by Hong Kong restaurants is also increasing. In 2018 ~~it~~ was 12.8 millions of disposables. In 2022 ~~it~~ ^{it} is 21.1 ^{millions} of disposables. It got increase by 8.2 million of disposable. The usage of water in Hong Kong is also increasing. In 2021 the usage of water is 2700 litre. ^{In 2022} ~~it~~ it is 3037 litre. It got increase by 337 ^{litre} in several years.

- Described the changes of various statistics

According to the Environmental Protection Department,
the amount of food waste produced ^{everyday} was around 260 tonnes in 2018, but this increased to a shocking 300-325 tonnes! But this issue not only had an impact on food waste, since restaurants use alot of disposables and packaging, this led to land pollution. The disposables used by restaurants was 12.8 million units, ^{now in 2018} in 2022, this has increased to 21.1 million units. The Hong Kong restaurants also increased their water wage ^{daily} from 2700 Litres to 3037 Litres in 2022. ^{in 2021}

- used some adjectives to describe the statistics (e.g. shocking)

Use of statistics (Post test of less able students)

According to Environmental Protection Department
The ^{amount of} food waste ^{of Hong Kong restaurants each day} increased from 208 of 250 tonne to 2022 of 350 tonne,
and then, the land pollution ^{became more serious and} increased from 12.8 m ^{from 2018 to 2022}
of restaurant to 2022 every week 21.1 million of restaurant, I think
the pollution problem is very serious.

- Came up with a short conclusion after describing the statistics

According to Environmental Protection Department
Amount of food waste of Hong Kong restaurants each day in 2022 is 350 tonne.

- Tried to describe the data

Impacts (Post test of more able students)

Paragraph 3

What are the impacts of the environmental problems caused by the restaurant?

Useful words:

land pollution	food waste	deadly diseases	global warming
health problems	hygiene	landfills	waste disposal
bad smell			

There are serious impacts brought by restaurant

The food waste from restaurant causes land pollution, because customers cannot finish their ^{food} so ^{it} the food ends up at landfills. Land pollution also causes many effects. It not only brings bad smell to people who live around, It also brings deadly diseases. It will hardly affect people's health and cause health problems.

There are serious impacts brought by food waste.

Food waste and the excessive use of plastic and polystyrene containers lead to land pollution in Hong Kong. When we finish eating in restaurants, we always produce much food waste. When there is too much untreated food waste in our environment, we may suffer from health problems and deadly diseases such as chest pain, coughing and we can even get asthma more easily. ~~we~~ Because of so much food waste, our world will also have global warming and we will always have bad weathers.

Solutions (Post test of more able students)

Firstly, customers and staff should order right amount of food only if they still can't eat the food they should ask the restaurants to send the food waste to help some poor people in Hong Kong.

Secondly the government should ban the containers so that customers and bring there own takeaway boxes and restaurants should save water by turn off the water tap when not in use and if some customers throw rubbish they should charge a fee for the rubbish we throw away. and we should recycle plastic bottles and paper and cardboard.

Firstly, the government should pass a law to punish the people who are responsible for untreated food waste or using plastic bag and plastic polystyrene containers and they should charge a fee to the rubbish we throw away. The government should also put more recycle bins for recycle bottles, papers and cardboards.

The restaurant owners should send the food waste to help some poor people in Hong Kong.

- Made use of stakeholder triangle
- Made use of connectors

- Made good use of stakeholder triangle

Solutions (Post test of less able students)

Firstly, I think we should send the food waste to help some poor people in Hong Kong. There should also be more recycling bins for waste separation in Hong Kong.

- Came up with solutions from personal perspective

Firstly, the government should charge a fee for the rubbish to ^{people throw away} residents less the ^{waste} throw rubbish or make less waste. Secondly, the residents should send the food to make less food waste or ~~Help~~ some poor people in our Earth. ^{Finally} Finally, the customers should order right amount of food only to make less food waste.

- Tried to use some linking words

Conclusion

- Some improved sense of a letter to the editor
- Could make use of 5 senses to describe personal experience
- Could apply the use of stakeholders' triangle to talk about impacts and solutions
- The learning pattern can be applied in different forms when writing a letter to the editor, esp. S4-6



Thank you