

3A LAC Drama

News anchor	The Government announced that classes of all day schools will be suspended today due to extreme weather conditions caused by extensive flooding and serious traffic disruption, owing to torrential rain brought by the trough of low pressure associated with the remnant of Haikui.
Henry	Hurray! No school today.
News anchor	The Government appealed to employers to observe work arrangements under the hoist of the Tropical Cyclone Warning Signal No. 8 and give due consideration to the safety of employees and the feasibility of travelling from home to the place of work and adopt a sympathetic and flexible work arrangement.
Benson	Hey, Dad, do you have to go to work?
Henry's father	Of course. The hospital still needs operation. I am a doctor and need to go back to take care of my patients.
Benson	Oh, please drive safe. Henry and I will stay at home and prepare for the geography project.
Henry's father	What is your project topic?
Henry	It's "Climate change in Hong Kong". I will do some research about the typhoon Haikui.
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Benson	Morning Mason, Jack and Jason. Yesterday was a holiday due to typhoon. How did you spend your day?
Mason	There was water seeping through the windows in the living room. I spent all day helping my mum to deal with this water problem! Let me show you the photos.
all	Whao!

Jack	My father's car also became a soaked vehicle. He was frustrated and kept calling the insurance company yesterday.
Mary	There was massive flooding at MTR Wong Tai Sin Station too. Let's watch this news together.
News anchor	Wong Tai Sin MTR was flooded yesterday during the amber rainstorms signal after the record-breaking downpour on Friday caused mayhem. Heavy rainfall came last week with a trough of low pressure associated with Typhoon Haikui.
Henry	Some news also said that this is Hong Kong's heaviest rain since records began 140 years ago.
Jason	I remember we have learned that global climatic patterns changed in recent decades.
Jack	Yes. The global mean temperature has kept increasing, and the global rainfall has increased on average.
Mary	Moreover, the regional rainfall has become more extreme, and many places are experiencing more extreme rainfall events just like the typhoon Haikui in HK.
Mason	Do you know the causes of such climate change?
Jason	Climate change is our project topic and let's go to the library to do some research together.
PPT	
Benson	This website mentioned that the changes in the global climate are closely related to the greenhouse effect.
Jason	Greenhouse effect is a natural process in which greenhouse gases in the atmosphere absorb heat and keep the Earth warm.
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Benson	Umm. It leads to a rise in global temperature and is well-known as global warming.

	But what are the human activities that cause climate change?
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Henry	The IPCC reports that there are four human activities that are very likely the major causes of climate change. First, the use of fossil fuels. For example, most of our greenhouse gases come from the burning of coal and natural gas in power generation in HK.
Mary	Second, farming activities are another major source of greenhouse gases, such as opening farmland, pastoral farming, and the use of chemical fertilizers.
Mason	Take the use of chemical fertilizers as an example, when these fertilizers decompose, nitrous oxide is released, which adds more greenhouse gases to the atmosphere.
Jack	Moreover, the industrial activities of cement production are a major greenhouse gas emitter in the world!
Henry	The news mentioned cement is widely used as a building material, and its demand has greatly increased due to rapid urban and industrial development. However, the production of cement releases large amounts of carbon dioxide.
Mary	At last, waste treatment such as landfilling, and incineration produces a lot of carbon dioxide.
Mason	So, in conclusion, all these human activities emit greenhouse gases that will lead to global climate change.
Jack	We have enough information on the causes of climate change. Let's discuss the impacts of climate change on HK tomorrow during the geography lesson.
All	Sure!
Henry	Mr Li, we have some information about the causes of climate change for our project. We want to know more about the impacts of climate change on HK.

Mr Li	I gave some climate change reports of HK to Candy and Mason yesterday. After reading that, have you guys gotten any insights from it?
Benson	The impacts of climate on HK can be separated into environmental and socio-economic aspects. I found that there are more extreme weather events and natural hazards from the environmental aspect such as the impacts of typhoon Haikui that brings to HK.
Mr Li	Yes, that is a good point! Climate change will also jeopardies ecosystems and coastal infrastructure due to the rising sea level.
Mason	From the socio-economic aspect, food production will decrease when farmlands in the northwest of the New Territories are drowned.
Jack	I remember the last lesson we discussed there will also be less reliable water supply due to unstable rainfall patterns.
Mary	Also, there will be an increase in health risks. The risks of heat stroke, heart disease, and respiratory illness will increase, which may also cause more deaths.
Jason	It seems we have enough information for our project on climate change in Hong Kong.
Mr Li	Your group is very efficient. Can't wait for your presentation next lesson!
Mason	We will now be heading to the library to prepare our presentation.
Mr Li	Okay. Please stand up.
All pupils	Goodbye and thank you Mr Li.