

愛秩序灣官立小學



加拿大 冰川及自然生態考察

24/4/2019-2/5/2019



加拿大冰川

及自然生態考察的目的

全球暖化是一個世界性問題。聯合國於2月公布報告，指2018年為有紀錄以來第四暖的一年。英國氣象局（Met Office）甚至估計地球現時正值1850年以來最和暖的十年。氣候變化令溫度不斷上升，兩極冰川融化的新聞經常出現，甚至最高的喜馬拉雅山脈的冰川亦無法倖免，至少三分之一冰川在本世紀內融化。美國太空總署（NASA）指長期全球暖化的影響已浮現。全球沿海地區水浸、熱浪、暴雨和生態系統變化，帶來了嚴重生態影響，如部份物種可能絕滅，生活習慣改變等。為應對氣候變化，近200個政府在2015年簽署《巴黎氣候協定》，逐步淘汰化石燃料，竭力將溫度升幅抑壓於1.5度。

作為地球村的一分子，我們必須讓下一代了解氣候變化對生態帶來的影響。因此，本校將以「氣候變化」為主題，舉辦一系列活動，包括打造智能校園讓學生學習減碳節能；邀請校友——前天文台高級科學主任莫慶炎先生及「野外動向HK Discovery」創辦人陳嘉俊先生到校主持專題講座，教導學生氣候變化對香港、南北極等生態的影響及如何觀察有關現象；六年級同學參與由消費者委員會舉辦的「EARTH 2038地球人計劃」講座及生活體驗，讓學生明白過度消費的生活模式對地球生態的影響；於復活節期間舉辦親子觀鳥培訓，讓大家了解全球暖化對物種的影響。為更深入了解，校長、2位老師及莫慶炎先生於2019年4月22至5月2日帶領20位學生到加拿大實地考察哥倫比亞冰川，由莫先生隨團講解有關冰川的知識及觀察全球暖化對環境的影響。這次考察不單是開校以來師生們走得最遠的旅程，更是首個針對世界性議題進行探究的活動，我們期望考察團的同學們把這次的所見所聞、所學所想都帶到每一位同學、家長的眼前，好讓大家多留意這個議題，並身體力行去推動環保，節能減廢，為下一代的生活作出貢獻。



「野外動向HK Discovery」創辦人陳嘉俊先生到校為學生主持有關氣候變化的專題講座。



出發前，香港天文台高級科學主任莫慶炎先生向參加考察的學生及家長講解全球暖化的情況及冰川考察的要點。



April

第一天

24

出發啦！



一眾參加冰川考察的師生於出發前來張大合照。



準備登機，大家都很有興奮呢！



抵埗後，乘旅遊車前往加拿大卑詩省列治文市的旅館，沿路櫻花盛開，美麗極了！



學生的學習日誌及反思。



大家興奮地享受在加拿大的第一頓晚餐。



學生的研習資料。

第二天



2019年4月25日早上，考察團先遊覽列治文史提夫斯頓（Steveston）的漁人碼頭（Fisherman's Wharf），了解當地的漁產品加工業。接着，考察團再到位於加拿大卑詩省溫哥華市區的史丹利公園（Stanley Park），了解當地原住民的圖騰文化。下午，考察團一行人便乘旅遊車啟程往東出發，晚上入住位於甘露市（Kamloops）的旅館。





遊覽漁人碼頭的博物館，了解當地的漁產品加工業的歷史。



自然動植物隨處可見。



品嚐當地美食——炸魚薯條、原個炸薯。



不要餵飼！可見當地人對野生動物的保護。



史丹利公園是加拿大最大的公園。



圖騰柱(Totem Poles)是史丹利公園內著名的景點，總共有8根圖騰柱子紀錄了原住民的故事，主要用來紀念原住民先人或萬物之靈，非常有歷史性。



遊人可於史丹利公園眺望溫哥華港的景色。



自行選購物品及晚餐，是練習理財及運用英語溝通的好時機呢！



In this tour, you will be mainly visiting two provinces of Canada.
Colour and label the two provinces and their capital cities.

Province: British Columbia ✓

Province: Alberta ✓

Capital City: Victoria ✓

Capital City: Edmonton ✓

Capital City of Canada: Ottawa ✓

Canada is the second largest country in the world after Russia. It is located in the northern part of North America. It shares a long border with the USA in the South and the North (Alaska). Canada consists of ten provinces and three territories. Canada is surrounded by three oceans: the Pacific Ocean in the West, the Atlantic Ocean in the East, and the Arctic Ocean in the North. Canada has a population of about 36 million people. The capital city of Canada is Ottawa. The largest city is Toronto. Besides English, French is also an official language spoken in Canada.

出發前，大家要先預習，對加拿大多一點了解。



齊齊總結整天所見所聞，預習第三天的行程資料。

April

第三天

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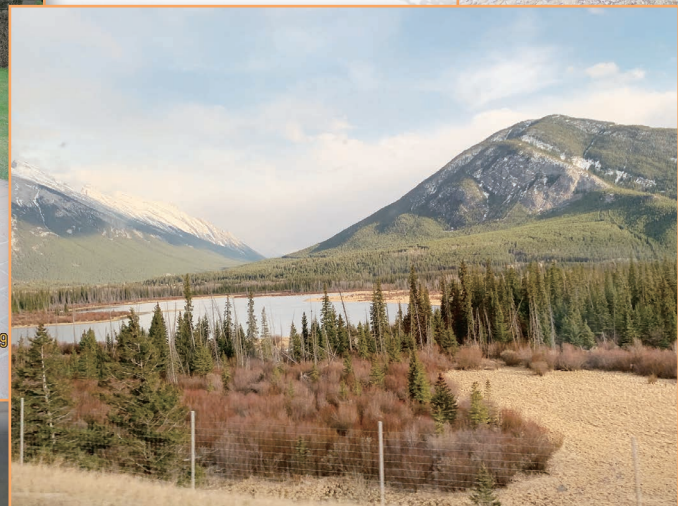
2019年4月26日早上，考察團離開甘露市（Kamloops）的旅館，繼續乘旅遊車往東出發，傍晚抵達位於加拿大亞伯達省洛磯山脈北段，歷史最悠久的國家公園——班芙國家公園，夜宿於當地最大的市鎮。鎮內的建築密度不高，樓房大多也只有三、四層高，遊人能清晰眺望洛磯山脈的美景，是登上哥倫比亞大冰原(Columbia Icefield)的必經據點。整天，多個小時的車程中，考察團亦途經了「最後一根釘紀念碑」（The Last Spike）及露易絲湖(Lake Louise)。



加拿大太平洋鐵路的落成大大促進了東西岸的往來，這裏就是東西段鐵路接軌的地點，甚具歷史意義。



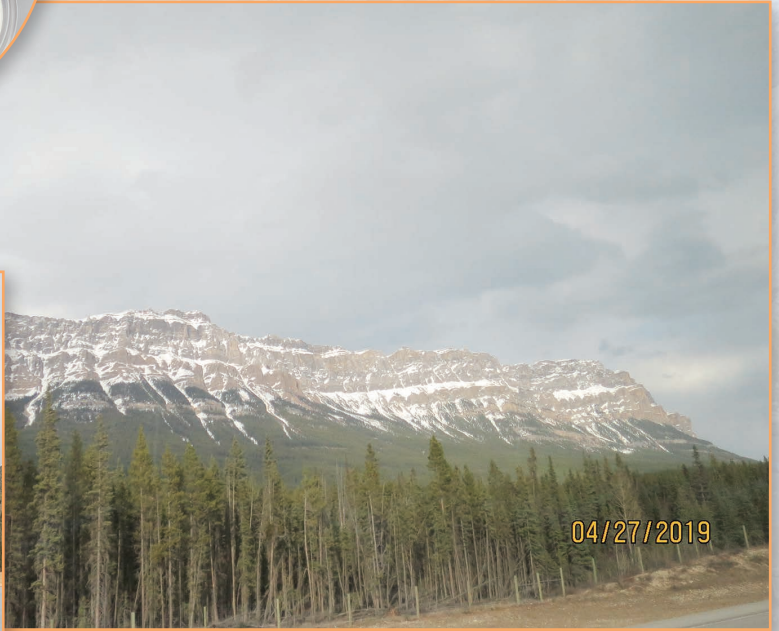
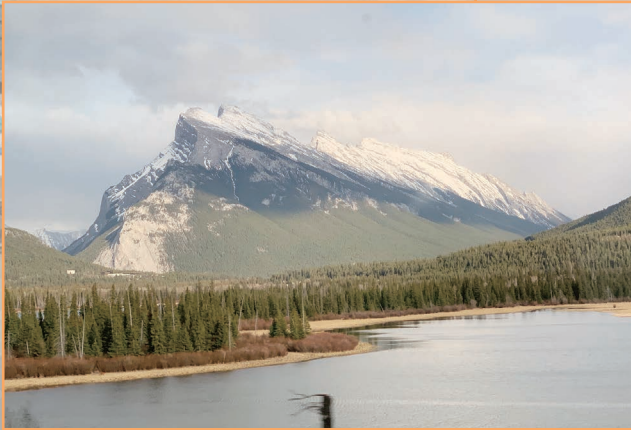
04/27/2019



特別設計，防止動物爬進覓食的垃圾箱；防止動物橫過公路的欄網。這些設施的設置，足見當地人熱愛大自然，愛護動物的態度。



考察團於灰熊鎮(Revelstoke)享受午餐。



莫慶炎先生向學生講解沉積岩及洛磯山脈的形成，「小師弟妹」親歷其境，上了一節寶貴的地理課。

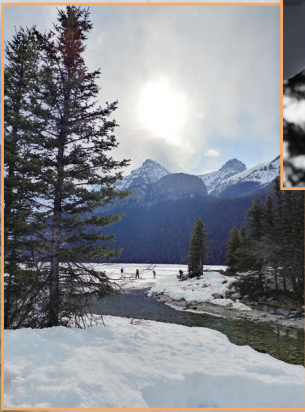


路易斯湖三面雪山環抱，湖水來自冰河融雪，含有冰川流下的礦物質，所以夏天時湖水碧綠如翡翠。冬天，湖面冰封，同學們都爭相走到湖面嬉戲，四周拍照留念。





路易斯湖是亞伯達省班芙國家公園內的一個著名的旅遊勝地。



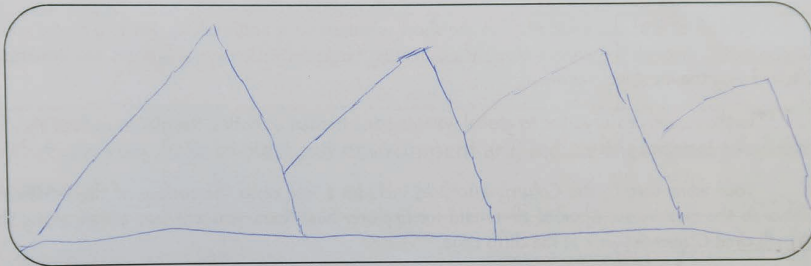
考察團抵達班芙鎮。

Will you travel to Banff again in the summer and see the emerald colour of the lake?

I will travel to Banff again in the summer and see the emerald colour of the lake. ✓

學生日誌。

Did you admire the beauty of Lake Louise? Describe your experience.



yes, I admired the beauty of Lake Louise because the snow ^{the frozen thick} and ice made the ^{scenery} hills very beautiful.

April

第四天

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2019年4月27日清早開始，班芙國家公園一帶一直下着大雪，哥倫比亞冰原的遊客服務中心一度關閉。幸好，最終雪勢減弱，遊客服務中心重開，考察團順利於下午乘坐特製的巨輪冰原雪車（Ice Explorer）登上位於班芙國家公園的西北角和賈斯珀國家公園之間的哥倫比亞大冰原(Columbia Icefield)，踏足這歷經萬年的冰原地帶。考察團在風雪中漫步於冰原上，親身體驗大自然的神奇，欣賞冰河時代所形成的天然寶藏。



一覺醒來，看見窗外下着雪，變成了白色的世界，大家都雀躍地跑到戶外拍照留念。



同學身後的弓河瀑布(Bow Falls)以湍急的水流著名，是加拿大班芙國家公園的重要景點。



出發！往哥倫比亞大冰原進發。



到達哥倫比亞大冰原遊客中心了。





乘坐特製的巨輪冰原雪車登上哥倫比亞大冰原。你看，冰原雪車有六個巨輪，巨輪比同學還要高啊！



司機向我們講解冰川的形成及近年的變化。



坐在冰原雪車上，沿途所見，都是無邊無際的白色世界。



到達哥倫比亞大冰原了。



隱約可見新雪下藍色的冰面。



藍色的冰層。





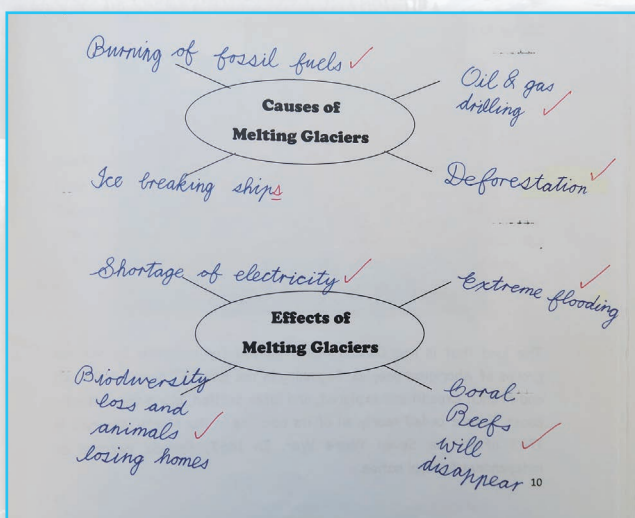
踏足這歷經萬年的冰原地帶，大家都興奮莫名。



百多年來，冰河已由同學身處的位置逐漸消退。但近年來全球暖化效應不斷升溫，加速了冰河的消退速度。現在冰河已大大由我們身處的位置消退至箭咀示的位置了。



山上的岩芯(rock core)樣本。



What can you do to protect our environment and reduce the impact of global warming?
 We should eat less meat, turn off the conditioner and turn off the light when they are not needed.

實地考察，啟發了學生的思考及探求。



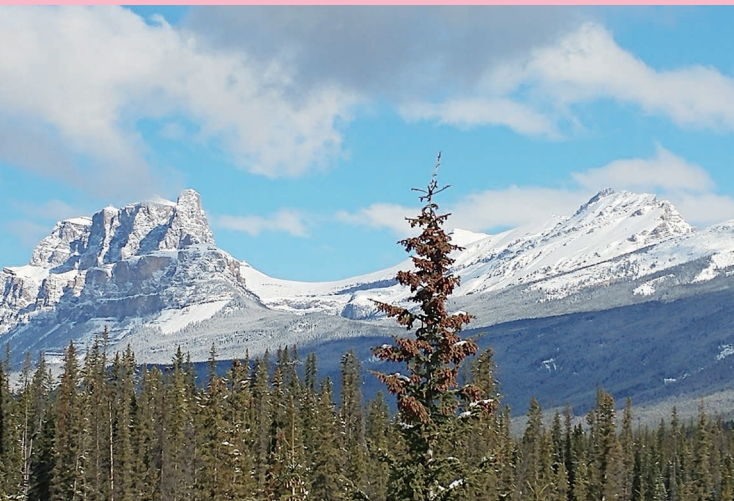
邊欣賞窗外冰原的景色，邊享受豐富的午餐，真是特別美味呢！



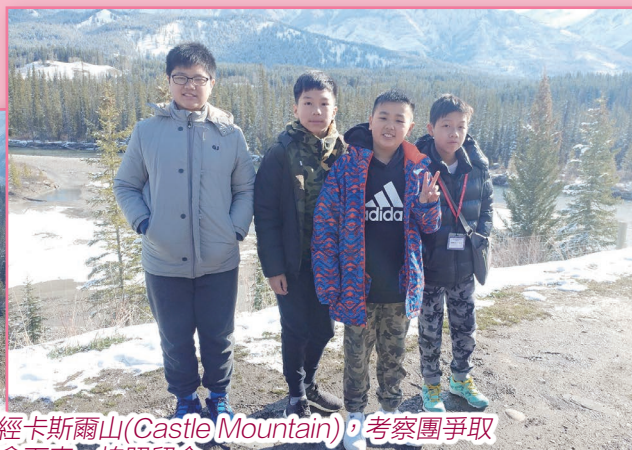
第五天



2019年4月28日早上，考察團離開班芙國家公園，乘旅遊車往西行，回程返回溫哥華。途中，考察團參觀了羅傑斯隘口發現中心(Rogers Pass Discovery Centre)，認識了當地預防雪崩的方法、大量的野生動植物和珍貴的歷史；蜜蜂養殖場(Planet Bee Honey Farm)，認識了很多有關蜜蜂和蜂蜜的知識。晚上，考察團入住位於基隆拿市(Kelowna)的旅館。



「大師兄」向同學們總結昨天冰川考察所得，並與同學討論全球暖化對生態的影響。



途經卡斯爾山(Castle Mountain)，考察團爭取機會下車，拍照留念。





參觀羅傑斯隘口發現中心。



百多年前，當地工作人員是如何通訊，以進行山區工程的呢？



雪山的範圍很廣闊啊！



觀察地上不同的腳印，就知道附近有甚麼動物了。



同學對動物標本很感興趣呢！



中心內有大量當地動物的標本，包括棕熊、美洲豹、土狼、北美馴鹿、高山山羊等，可見物種的多樣性。





到達蜜蜂養殖場了。



導賞員向同學介紹蜜蜂的種類、家族、溝通方式、與人類的關係等，令同學大開眼界。



聆聽職員講解各種蜂蜜的特色。



看！有白點的，就是蜂后了。



忙碌的工蜂通過管道進出採蜜，供蜂群食用。



答對題目，獲得導遊姐姐送贈的獎品，Yeah!



「動物橋樑」——為免動物橫過公路，發生意外。可見當地人對動物的尊重和愛護。

What did you learn from the beekeepers at Planet Bee Honey Farm?



學生日誌。

I learnt that Honey Bees can only get ~~stung~~ ^{stung} someone one time. but Yellow jackets can get ^{sting} more than one ~~people~~ ^{person}. and Female Honey Bees will do the work and ~~find food~~ ^{find food} for ~~the~~ ^{the} ~~queen~~ ^{the} ~~queen~~ ^{queen} Bee from the ~~best~~ ^{best} beekeepers at Planet Bee Honey Farm.

第六天



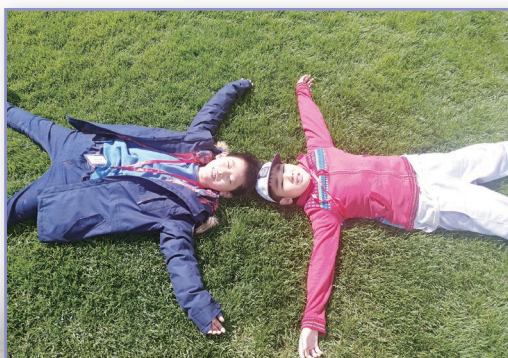
2019年4月29日，考察團啟程繼續往西行。途中，考察團遊覽了位於基隆拿市（Kelowna）的密遜丘酒莊(Mission Hill Winery)，參觀了葡萄園，並了解加拿大的文化遺產——冰酒的生產過程。經過多小時的車程，考察團接近傍晚返抵溫哥華，遊覽了唐人街、「煤氣鎮」(Gastown)及加拿大廣場（Canada Place），欣賞當地市容。晚上，考察團入住列治文市的旅館。



遊覽密遜丘酒莊的葡萄園。

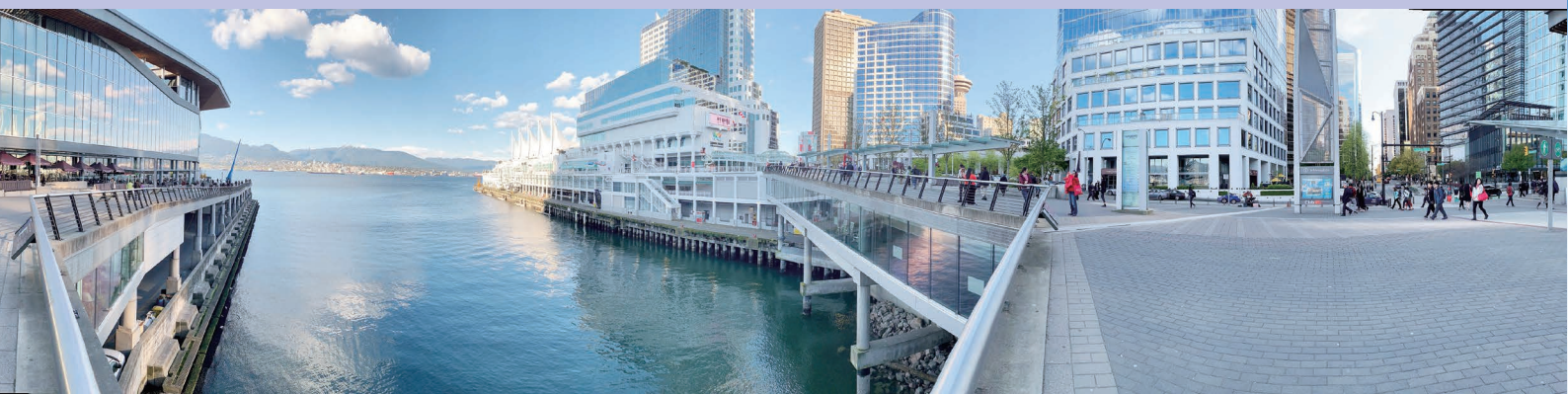


酒莊的環境非常優美，綠草如茵。





溫哥華唐人街——1885年至1886年間，首批華工開始聚居於現在唐人街一帶。



加拿大廣場是溫哥華著名的地標，會議中心、酒店、世貿中心等均屹立於此。在這裏，遊人能飽覽溫哥華美麗的海港。

Write about your experience after visiting Downtown Vancouver (Canada Place and Gastown).

I think Downtown Vancouver is very beautiful. The buildings are very tall. There ^{are} many gift shops. I bought many gifts ^{and} for my parents ^{and} friends.

學生日誌。

What can you do to go green?

I can use less electricity, use less plastic, plant more trees.



2019年4月30日，考察團遊覽了位於溫哥華 (Vancouver) 北面城郊的林恩峽谷生態中心(Lynn Canyon Ecology Centre)。中心內的互動展品，可讓考察團了解城郊各種動植物、與當地雨林有關的環境問題、全球暖化對物種及環境的影響等。接着，考察團乘吊車(Skyride)登上溫哥華市區內的最高峰——松雞山(Grouse Mountain)。最後，考察團返回溫哥華市區，遊覽固蘭湖島(Granville Island)，感受當地文化及藝術氣息。2019年5月1日，考察團乘中午航班啟程返港。



參觀林恩峽谷生態中心。



同學們透過生態中心內的互動產品，了解園內動植物及當地雨林的環境問題。



生態中心展示了全球暖化的成因、影響等的資料。



'What is the story behind cleaning your belongings?'
 The things you own need to be maintained. For example, over the lifetime of your clothes, you use more energy washing and drying them than it took to make them. Standard washing machines use a bathtub of water to wash each load of laundry.
 Most indoor pollution is created by synthetic and organic chemicals, many of which are found in our household cleaners. Over 150 chemicals found in the average home have been linked to allergies, birth defects, immune disorders and cancer.
What can you do?
 Think about how you will maintain the things you buy, before you buy them. Save energy by washing clothes in cold water, drying them on a clothes-line, and using Energy Star appliances. There are simple ingredients that can be used to make non-toxic household cleaners. Check the pamphlet racks for green-cleaner recipes.



面對全球暖化問題，我們可以如何應對呢？

生態中心展出了不少動物標本。

animal	human
Animals of Lynn Canyon Park A shiny trail of <u>s</u> ₂ <u>i</u> ₂ <u>m</u> ₂ <u>e</u> ₂ might lead you to this native forest animal, the <u>b</u> ₇ <u>a</u> ₇ <u>n</u> ₇ <u>n</u> ₇ <u>e</u> ₇ <u>s</u> ₇ <u>l</u> ₇ <u>a</u> ₇ <u>g</u> ₇ . Black Bears Ancient Bears 20 million-year-old fossils of the earliest known bear "the <u>d</u> ₃ <u>a</u> ₃ <u>w</u> ₃ <u>b</u> ₃ bear" was a meat eater, the size of a <u>r</u> ₆ <u>a</u> ₆ <u>c</u> ₆ <u>c</u> ₆ <u>o</u> ₆ <u>n</u> ₆ . Spring Pickin's Black bears eat the yellow <u>s</u> ₅ <u>t</u> ₅ <u>u</u> ₅ <u>n</u> ₅ <u>k</u> ₅ <u>c</u> ₅ <u>a</u> ₅ <u>b</u> ₅ <u>a</u> ₅ <u>g</u> ₅ <u>e</u> ₅ <u>s</u> ₅ as they melt through the snow and ice in early spring. Food Fight Which animal can jettison its legs and claws at will? The <u>a</u> ₁₁ <u>u</u> ₁₁ <u>n</u> ₁₁ <u>g</u> ₁₁ <u>e</u> ₁₁ <u>n</u> ₁₁ <u>e</u> ₁₁ <u>s</u> ₁₁ <u>s</u> ₁₁ <u>c</u> ₁₁ <u>r</u> ₁₁ <u>a</u> ₁₁ <u>b</u> ₁₁ .	Early Logging <u>F</u> ₁ <u>l</u> ₁ <u>u</u> ₁ <u>m</u> ₁ <u>e</u> ₁ <u>s</u> ₁ that carried water from the local <u>r</u> ₁₉ <u>i</u> ₁₉ <u>v</u> ₁₉ <u>e</u> ₁₉ <u>r</u> ₁₉ <u>s</u> ₁₉ to the <u>l</u> ₁₉ <u>u</u> ₁₉ <u>m</u> ₁₉ <u>b</u> ₁₉ <u>e</u> ₁₉ <u>r</u> ₁₉ <u>m</u> ₁₉ <u>i</u> ₁₉ <u>l</u> ₁₉ <u>l</u> ₁₉ <u>s</u> ₁₉ were a prominent feature of Lynn Valley. Wilderness At Your Back Door Delightful Dynamos Amazing Hummingbird Facts - Their hearts beat 1,200 times in a <u>m</u> ₂₀ <u>i</u> ₂₀ <u>n</u> ₂₀ <u>i</u> ₂₀ <u>t</u> ₂₀ . Places to Raise Young Putting up <u>n</u> ₂₁ <u>e</u> ₂₁ <u>s</u> ₂₁ <u>t</u> ₂₁ <u>f</u> ₂₁ <u>o</u> ₂₁ <u>x</u> ₂₁ <u>e</u> ₂₁ <u>s</u> ₂₁ in your back yard helps to compensate for the loss of forest habitat. What is the Story Behind Your T-shirt? <u>C</u> ₁₂ <u>o</u> ₁₂ <u>t</u> ₁₂ <u>t</u> ₁₂ <u>o</u> ₁₂ <u>n</u> ₁₂ is the most heavily sprayed crop in the world.

Kelly's Exploratorium

Insects!
 Worker h₁₃ a₁₃ r₁₃ n₁₃ e₁₃ t₁₃ s₁₃ chew bark to make paper.

Discovery Drawers
O₁₄ e₁₄ l₁₄ o₁₄ g₁₄ y₁₄ is the study of birds eggs and their nests.
 Scientists have discovered that squirrel and other r₁₈ o₁₈ d₁₈ e₁₈ n₁₈ t₁₈ s₁₈ c₁₈ a₁₈ t₁₈ adds nitrogen to the soil which helps trees to grow.

Secret Message
 These amazing birds hide their food to eat later and can remember thousands of hiding places. Who are they?
b₁₂ l₁₂ a₁₂ c₁₂ k₁₂ c₁₂ a₁₂ p₁₂ p₁₂ e₁₂ d₁₂
c₁₃ h₁₃ i₁₃ c₁₃ k₁₃ a₁₃ d₁₃ o₁₃ e₁₃ s₁₃
 12 13 14 15 16 17 18 19 20 21

ECO Quest 2017

Recipe For Photosynthesis
 What are the four ingredients for photosynthesis?
 Sunlight, c₁₀ h₁₀ l₁₀ o₁₀ r₁₀ e₁₀ h₁₀ l₁₀ l₁₀ i₁₀ t₁₀,
 water, & c₁₁ a₁₁ r₁₁ b₁₁ o₁₁ n₁₁ d₁₁ i₁₁ x₁₁ i₁₁ d₁₁ e₁₁ s₁₁.

Wildlife Trees
 In British Columbia more than 9₁₄ 0₁₄ s₁₄ p₁₄ e₁₄ c₁₄ i₁₄ e₁₄ s₁₄ of animals depend on wildlife trees.

Temperate Rainforest Community
 Lynn Canyon o₉ r₉ c₉ k₉ is a second growth forest of trees less than 1₁₇ 2₁₇ 0₁₇ years old. The most common conifers are western h₁₆ e₁₆ m₁₆ l₁₆ o₁₆ c₁₆ k₁₆,
D₁₅ e₁₅ u₁₅ g₁₅ l₁₅ a₁₅ s₁₅ f₁₅ i₁₅ r₁₅, and western
 red c₄ e₄ d₄ a₄ r₄.

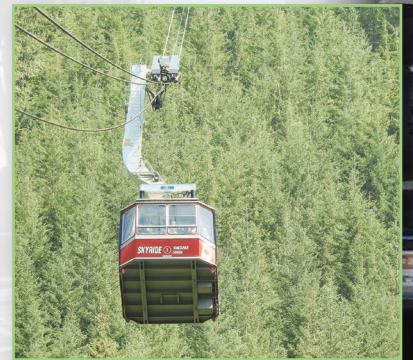
在生態中心，我們學到了一些新知識。



林恩峽谷的懸索橋(Lynn Canyon)是一座50米高的橋樑，橫跨一個美麗的峽谷。同學們越過懸索橋時，橋面上下擺動、左右搖擺，令同學們感到非常興奮刺激。



考察團乘吊車登上溫哥華市區內的最高峰——松雞山。





山上有不少由樹幹做成的藝術品。



大家跟着地上的腳印，找大灰熊去。



據說，棕熊就是藏身在這山林裏。



嘩！熊出沒！



原來這兩隻大灰熊，是被工作人員拯救回來的。



看看這標示牌！加拿大人真是非常細心保護野生動物。



山上景色優美，同學拍照留念。





參觀山上遊客中心的其他展覽。



考察團遊覽固蘭湖島。島上有艾蜜莉卡藝術及設計大學，也有不少藝術畫廊及街頭音樂表演，充滿藝術氣息。



穿梭固蘭湖島的渡輪 (AquaBus)。



島上的公眾市場，內裏有很多當地的美食和特色的小店。



雪糕，我最愛。



旅程結束，回港了。

Write about your experience after visiting Downtown Vancouver (Canada Place and Gastown).



I think it is a very nice place. There is a cruise ship terminal. Many tourists visit this place each year because there are many facilities. The view of the harbourfront is so beautiful.

學生日誌。

Lewis Lou

FUN FACTS QUESTIONNAIRE - Spectacular Canadian Rockies Tour

- Who was Canada's first prime minister? Jean de Maccdonald
- What is a toque? a hat
- What two empires were responsible for the birth of Canada? British, French
- There are four kinds of bears that live in Canada. What kind has a hump on its back? Spriggle bear
- Which Canadian province has the largest land mass? Quebec
- Which Canadian province has the smallest land mass? Prince Edward Island
- What was Canada's first national sport? skit
- What is poutine? French fries with melted cheese and gravy sauce
- Which city was called Gastown? Vancouver
- Name an animal found on any Canadian currency. loon
- What is Canada's national animal? beaver
- What is the capital of British Columbia? Victoria
- What is the name of the ski resort closest to Vancouver? How did it get its name? Whistler (A mascot saw whistle)
- Was Canada mostly covered by ice until 10,000, 100,000 or a 1,000,000 years ago? 1000 years ago
- How many Great Lakes does Canada have? 5
- What three oceans border the shores of Canada? Pacific Ocean, Arctic Ocean, Atlantic Ocean
- How many time zones are there in Canada? 6
- About 50% of Canada's area is made up of lakes. True or False? false
- Is Canada the 1st, 2nd or 3rd largest country in the world? 2nd largest
- What is a "beaver tail"? a dessert
- What province accounts for 70% of the world's maple syrup production? Quebec
- What is a "loonie"? (a bird, vehicle or currency?) a currency
- What is the highest peak of the Rockies? Mount Robson
- How many National Parks are part of the Rockies? 4
- What is Canada's national sport? hockey

Thank you!

旅程結束前，導遊姐姐給了我們一個小測試呢！

學生反思 及家長回饋

4C 黃子甄



I am very grateful to the school for giving this opportunity to my daughter. This is a very valuable experience to her and let her learn more about the importance of environmental protection.

多謝仄師兄莫慶美先生、崔校長、何副校長及鄧老師，在這九天行程中的悉心教導和照顧。每天晚上，老師更會跟我們舉行學習會議，讓我們鞏固當天所學的知識。這次旅程，讓我明白到原來森林、冰川、動物大自然都與我們息息相關，而加拿大人愛護動物和自然的態度，更是值得我們學習。另外，原來全球暖化對各種生物都有很大的影響，例如加拿大盛產的三文魚，就與全球暖化的關係，而令牠們找不到適當溫度生活的水域而令數量大大減少，所以我決定從今天起要注意保護環境。旅程中，我發現加拿大人都愛好寧靜的環境，我當然也要學習尊重當地文化，保持應有的禮貌和安靜。最後，我發現原來不是所有東西都可從書本學到的，要經過自己親身經歷，才會懂得更多。我很希望日後有機會再參加類似的活動。



經過今次冰川考察之旅，我學會了很多知識，例如我們第四天到達了哥倫比亞冰原。到達目的地時，我才發現冰原十分遼闊，原來它的面積有500平方公里，由十幾處冰川組成，非常雄偉，令我感到十分驚嘆。在冰原上，我感到如同十分冰冷，有一種身在極地的感覺呢！在旅遊車上，莫慶美先生告訴我們原來冰川不斷在移動，每年的後退10至15米，真可惜！第五天，我去了蜜蜂繁殖場。我學會了很多關於蜜蜂的知識，原來蜜蜂出生後就要立刻工作了，如要清潔蜂巢。我還在那裏嘗試了十多款蜜蜂呢！今次的旅程，讓我明白到保護環境，讓動物能與人類生存的重要，而當地人待人待物禮貌、友善的態度，也令我十分難忘，我會好好學習。

6B 黎敏喬



參加這次的遊學團，能加強啟喬的獨立能力，例如自己收拾行李，管理個人物品，安排作息時間，留意自己身體，是一次很好的經驗。

5A 劉天心



The Canada Ecology Tour was a very valuable experience for Tyra to learn not only the ecology problem of the world but also a chance for taking good care of herself and work well with classmates & teachers.
Thank you!

經過這次加拿大的旅程，我體會到我們要落實保護環境，減慢全球暖化帶來的影響。全球暖化不但加速了冰川的融化，還令三文魚因為水溫過暖而死亡，影響了自然生態。我更從莫先生的口中得知，冰川正以每年十多米的速度急速融化。冰川融化會令全球水位上升，沿海的城市可能會因此被淹沒，威脅人類的生活。我認為要減慢地球暖化，先要由自己做起，其中一個方法可以是盡可能以風扇替代空調，減少能源的消耗及碳排放。旅程中，我亦感受到加拿大人十分友善，每人都滿臉笑容地跟我們說話，十分有禮貌。此外，加拿大的環境比香港寧靜得多，而且有很多綠化的地方，景色十分漂亮。我很喜歡加拿大的生活方式，也想到那裏學習，加強自己的英語能力。



4C 俞霆亨



霆亨這次旅行收穫頗豐，除了擴闊了視野之外，還學會很多環保的知識，返港後，特別注意自己的行為是否對環境造成負擔。

我覺得加拿大是一個環境很優美的地方，有很多不同的野生動物。我在旅程中學會了很多知識，知道了雪崩的形成，了解到冰峯這十多年消失的速度加快了很多，正以每年約10公尺的速度退。全球暖化會令冰川消失，也會影響野生動物的生存，我希望以後有機會可以繼續欣賞到美麗的自然環境和野生動物，所以我認為大家也要一同保護環境，減少碳排放，減少能源消耗。旅程中同學也十分友善，我和隊員相處得十分愉快。在露易其尔湖的那一天，天氣十分冷，我和同學去嬉戲，雖然後來給弄濕了衣衫，但我也感到十分興奮。



在這次考察旅程中，我了解到：冰川融化與全球暖化的關係。我發現冰川的長度已較百年前縮短了一半。而全球暖化更加快了冰川的融化。近年，冰川就以每年10至15米的速度消融，情況令人憂慮，所以我覺得我們要盡力做好保護環境，減少碳排放的工作，令全球暖化的情況不要再惡化。此外，我又在行程中認識了哥倫比亞省的自然歷史和生態環境的問題。加拿大人均重視動物，他們會建設一些專給動物橫過公路的橋木梁和隧道，以免牠們被車撞倒發生意外；還會設計一些防止動物翻找食物的垃圾桶，以免影響牠們的健康。再者我覺得加拿大人對於環保和綠化環境均重視。走在街上我很少看見垃圾桶，相反，回收箱卻可視為加拿大的綠化很好，城市周圍都有綠木，空氣清新。另外，我覺得加拿大人均有禮貌。每當我去購物時，一走進店子，店員都會對我友善地微笑和禮貌地跟我說「你好」、「再見」等。令我非常欣賞，也非常值得我學習。最後，我要感謝校長、莫慶炎先生、老師及導遊姐姐的照顧，希望有機會可再參加類似的活動。



5A 黃嘉淇

I think Ruby listen to the teacher's guidance and she could take care herself. In Canada, she brought Canadian's specialty for me.

She successfully completed this trip. I think she is well done.

5C 冼芷蔚



這次考察讓芷蔚了解多了加拿大，也讓她在這旅程全用英語對話。

After this journey to Canada, I learnt something new. Canadians are working hard to protect Canada's wildlife. There are wildlife overpasses in Banff National Park. They help wild animals pass over busy roadways safely.

Lake Louise was still frozen so it was covered in snow and ice the day we went there. My schoolmates and I played happily in snow and we threw snowballs at one another. In the end, I found my shoes were all wet but it was great fun!

We then went to the Columbia Icefields. We rode on the enormous Ice Explorer bus to visit the glaciers. It was my first time seeing the glaciers. It was stunning. However, it was so cold that it made me freeze. I could not wait to get back on the bus to keep myself warm.

I think people in Hong Kong can learn from Canadians to go green in their living. We can turn on the fans instead of air-conditioners. If everyone can live green, I'm sure we can save the Earth. Lastly, I would like to thank our headmaster for giving me a chance to go on this wonderful trip. It was a valuable experience.

經過這次旅程後，我發現冰川原來是淺藍色的。為甚麼冰川是淺藍色的呢？原來冰河中含有微小的氣泡，而陽光中紅橙光波長較長，容易穿透，照射入冰川底，但藍光波長較短，被微小的氣泡和塵埃散射，因此我們便看到呈淺藍色的冰川了，真神奇啊！另外，冰川會每年移動10至15厘米。近幾十年，冰川已溶化了很多，這是因為人類不斷破壞環境導致氣候暖化所致，所以我們應要坐言起行，保護環境，減慢氣候暖化的速度。旅程中，我又了解到加拿大人很重視動物，他們會為野生動物興建橫過公路的橋樑；又會興建動物生態中心，讓人們認識保育動物的重要。加拿大人很愛自然環境，也很愛寧靜，他們不會在公眾地方大聲喧嘩、奔跑，而我們也因而學會尊重當地人的生活文化，不能高聲說話，造成騷擾。最後，我十分感謝大師兄莫慶炎先生、董校長、何副校長鄧老師和導遊姐姐的照顧和教導。

5A 李樂心



This was by far the very best field trip our school as well as this year. Thank you for the amazing time. Teaching them about the environment in instructive and creative ways. Standing on the Lake Louise was an amazing experience. Also, seeing all of the Icefields was a real eye opener. Please let everyone know how much we all appreciated it and will be signing up for things in the future.

5A LAU LEWIS



It is the good learning experience for Lewis in Canada. It can help him explore in different situation of mission and gain him achieve to goal in next status.

Thank you Principal and teachers gain more experience, memory in his life. Certainly he becomes more independent child.

The trip to Canada has expanded my knowledge which can never be found from the textbooks. It also allowed me to learn more about their culture and how to communicate with people from a different cultural background. When I entered into a shop, the sales assistants would always greeted me with a smile and said goodbye to me when I left. This experience clearly showed that Canadians are very polite towards the customers there.

What I liked about Canada was the fresh air. However, the weather in Banff was so cold. One of the places I liked best was Lynn Canyon Ecology Centre. I learnt a lot more about wildlife in Canada. For instance, American black bears are omnivores, with their diets varying greatly depending on season and location. Moreover, I also learnt that human activities are causing changes to the Earth's natural climate control system.

All in all, this trip has widened my knowledge in climate change and I learnt that politeness is widely valued by the Canadians.



6A SIN MAN HIN DESMOND

Being parents, we appreciate that the school arranged this off shore activity for students in April, 2019. Taking part in this activity, my son, Desmond really has learned the importance of protecting our environment. The other thing he has learnt is the independence. As you know, he had to do everything on his own. Anyway, we thank our school for providing this precious activity for the students and of course we also thank our teachers who looked after the students patiently all the way through.

After this Canada tour, I have learnt that global warming is becoming a very serious issue. Glaciers are melting faster and faster every year due to human factors. Humans have been changing the climate conditions by burning fossil fuels which lead to releases of carbon dioxide. As a result, it warms the snow and speeds up melting glaciers.

Moreover, I learnt a lot more about wildlife in Canada. The wild animals, such as black bears and bighorn sheep, are so unique that they can never be found in Hong Kong.

I went to an ecology centre in Vancouver. I learnt a lot more about avalanches after watching the video. Thousands of avalanches occur in Canada each year. To help prevent and reduce their damage, avalanche forecasters use technology and explosives for avalanche control.

Lastly, I found that Canada is a calm and peaceful country. It is much more quieter than Hong Kong. I learnt not to talk noisily with my friends in the public because it would affect others around. I learnt to be polite as Canadians are generally friendly and polite.

I have deepened my understanding of global environmental issues from this ecology tour to Canada. We live on the Earth, but we have created a lot of environmental problems, such as greenhouse gases. These greenhouse gases cause heat to be trapped around the Earth. As a result, the average temperature rises, ice melts and extreme weather occurs more often.

Besides environmental problems, I have learnt more about wildlife in Canada. Many wildlife animals are in danger of becoming extinct. For example, grizzly bears are endangered because their habitat is used for agriculture. Therefore, it is difficult for them to find enough food.

The Earth won't be a suitable home for us unless we all start living a green life. We can do this by having low carbon habits. For example, we should use energy-saving home appliances. In our diets, we can eat more local food. We can also eat less meat like beef and pork. After this trip, I hope all the participating schoolmates, including myself, will take action and live a green life before it is too late.



5A CHENG KA YEE

Thank you so much to Headmaster and Teachers for looking after her throughout on Canada Trip, ensuring the safety of our children whilst allowing them to experience the snow. She knew that the weather is getting hotter due to Global Warming, bringing considerable changes to the transmission modes of disease in the world. Such as environmental pollution and Glaciers Melting follows. We need to protect our earth together and start from the trivial side.



5A CHAN TSUN HANG HARRIS

It is the first time Harris go travel without parents. At first, I am quite worried but after the first day, he can handle all the things himself, with the care of the teachers and the principle, I am relieved. After reading the booklet, it is very informative and I admire the hard work organizing this memorable trip to students.

In this ecology tour, I have visited many places in Canada. It was also my first time seeing snow. Although it was very cold in Banff, I enjoyed playing snow with my friends.

I learnt more about the global environmental issues at Lynn Canyon Ecology Centre. The greenhouse effect is essential for life on Earth, but modern human activity—burning fossil fuels, deforestation, and intensive agriculture—is releasing huge quantities of extra greenhouse gases into the atmosphere. This leads to global warming. We should use less electricity and travel more by public transport. We can use less air-conditioning and grow more plants too.

I have also visited Granville Island. It strives to be a zero waste island. Therefore, the food vendors do not offer plastic shopping bags to shoppers. They all use reusable cutlery, like forks and plates.

Canadians speak softly and politely to one another. The shopkeepers smiled at me when I walk past the shops. I learnt that we should always be polite to others in the community. It was my first time to go on a tour with my teachers and classmates. I feel that I am growing up and becoming more independent!

6A CHEUNG HO LONG DANIEL



The impact of global warming is leading to serious consequences on the environment around us. Glaciers are now retreating and melting faster than ever before. I think that human activities are the main cause of global warming. People always turn on the air-conditioner; factories produce lots of smoke. We should reduce energy use in homes and use less air-conditioning.

In the tour, I learnt to speak softly and politely to the local people. This is because Canadians are very well-mannered and courteous. Vancouver strives to be a zero-waste city. I think Hong Kong can follow suit by reducing all types of waste to work towards creating a greener community.

I'm very honored that Daniel can participate in this Tour. Because it is impossible to understand the speed of melting glaciers in Hong Kong. Only by hands-on experience can let them understand the importance of protecting the earth.

I hope Daniel reflect on how to protect the earth through this trip.



6A 麥棋昌

It is good for Ken to leave home and live independently. He realises that he always be a lucky boy because he gets parents' care and love, from whom he can cherish when being at home.

我覺得這次考察十分充實。旅遊車上外籍導遊姐姐每天都會我們介紹當地的地理文化、野生動物等相關的知識，令我眼界開闊了不少。除此之外，莫先生向我們講解關於冰川的知識，他曾指出現在冰川已較原來的大約窄掉了半。為甚麼會這樣呢？全球暖化就是令冰川加速融化的元兇。冰川溶化會令在極地生活的生物例如北極熊、企鵝等，失去棲息的地方找不到食物，從而令他們瀕臨絕種。要令全球暖化這個問題得以紓緩，需要人類通力合作，齊心努力。那麼我們可以怎樣做呢？簡單如盡量以電風扇取代冷氣機的使用，盡量維修家庭電器取代購買等，都是我們可以做到的。另外，我在加拿大的時候，發現當地人很有禮貌，說話時會與對方保持目光接觸，吃飯時也不會發出很大的聲音，所以周圍的環境非常寧靜，我們當然也不可以石破天驚這寧靜的環境啦！

6A CHIU SZE KAI SUKI



I think that my self-care ability has improved after the study tour. I have acquired the skills of organizing my own luggage. I learnt how to manage money on my own and was not afraid to use English to talk to others. We visited the glaciers on day four. It was huge and beautiful. I found that the glaciers were piled up in layers. I also understand that if we don't protect the environment around us, this beautiful natural environment will disappear soon.

This study tour was interesting and meaningful. It gave a better understanding of the severity of global warming and melting glaciers.

我覺得這次的冰川考察團非常的豐富、充實，在這次的考察團裏學生們也學會了如何去管理時間和懂得如何去運用金錢，由於香港的物價與加拿大的也不同，所以在選購貨品時不單止要格價，還要換算貨幣，透過這次的行程，學生也學會如何與人相處，總結而言，整體是非常好的。

6A CHAN TSZ CHING VIOLET



I have acquired new knowledge and attitude from this tour to Canada.

For knowledge, I have learnt a lot more about bees in general at Planet Bee Honey Farm. Honey bees die after stinging a person once, whereas Queen bees can sting as many times as it wants without dying. Honey bees start working from the day they are born but Queen bees just stay in the hive and reproduce. Therefore, I think Honey bees are very hardworking.

I have learnt a lot more about global warming in this study tour. Global warming is a gradual increase in the overall temperature of the Earth's atmosphere generally attributed to the greenhouse effect caused by increased levels of carbon dioxide and other pollutants. We need to do more to save the Earth, for example, save energy and use less air-conditioning.

My favourite tourist attraction is Lynn Canyon Ecology Centre because I learnt a lot about Canadian wildlife from the animal specimens and exhibits, for example, the bears' teeth and footprints. After visiting the ecology centre, we walked on a suspension bridge. One of

our schoolmates was scared of heights. She was so frightened while walking across the suspension bridge. She even cried along the way. We all cheered her up and finally she made it! We were so proud of her. Caniff was my favourite place too because I saw snow there! The natural scenery was so beautiful. My friends and I played snowball fight happily at the hotel. I have made new friends and got closer with my friends too.

This was my first time visiting the glaciers and my first time travelling to a country in North America as well. I think these good memorable experiences from the study tour will stay with me forever. I am truly thankful that I could go on this wonderful trip before I leave Albrich Bay Government Primary School for secondary school.

這次參加加拿大考察團獲益良多，了解冰川資訊旅行時獨去，與同學交流。

6A WONG WING YAN ZOEIE



Unbelievable, marvelous and fantastic journey where the kids can solve the problems by himself. They could also have a moment of time to live himself independently. Awesome.

In this trip, I learnt a lot of new information about Canada, like the geographical background, history, ecology and wildlife. I found that Canadians are very nice towards foreigners. For instance, the employees of many shops I went to were very friendly and greeted me by saying 'good morning' or 'good afternoon'. The glaciers in the Columbia Icefields were spectacular. I learnt from Mr. Mok that glaciers recede by 10 to 15 metres a year. Moreover, I learnt a lot of interesting facts about bees from the staff at Planet Bee Honey Farm. The bees are not only hardworking, they are smart too. If they find flowers with a lot of nectar and pollen, they will go back to the hive and communicate with the other bees how to get there by doing waggle dance. This is so interesting! I would like to thank Mr. Chui and the teachers for organizing this tour for us. I hope our school will have more opportunities to go abroad in the future!

我在這個考察過程中，學到了很多知識，擴闊了視野。行程中，我最喜愛的地方是路易斯湖。那裏四周白雪皚皚，湖面結冰，非常美麗。我在那裏拍了很多照片，又和同學打雪戰，真是既刺激，又好玩。但是原來夏天的路易斯湖，又是另一番的景象。它的湖水是來自維多利亞水河的，隨著溶冰的水而來的還有冰河裏的石礫，經過磨擦慢慢轉換成石粉，沉在湖中，所以在夏天的陽光照耀下，湖面便會反射出藍綠色，非常特別。行程中，我親身看見全球暖化帶給冰川的影響，明白到減少廢物排放的重要；認識到蜜蜂的品種牠們對生態系統的重要；學習了不少野外動物和植物的知識。另外，加拿大人待人的態度親切有禮也令我留下深刻的印象。最後，我很多謝老師無微不至地照顧我們，讓我們安全、健康地完成旅程。

6C CHAN YUNG YAT TOMMY



辛苦了老師一團以來無微不至的照顧，萬分感謝。

6C CHAN TSZ YU EDITH



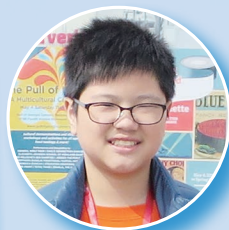
Thanks to teachers and Principal teaching students in this trip. By pictures, I saw the children paid attention and listened to the teachers in orderly. Gave local people a good impression of them, which is more valuable than all that they have learnt.

I've learnt a lot more about Canada in general from this study tour. People there were very polite and nice. The most exciting part of this trip was the visit to the Columbia Icefields. I've deepened my understanding of the severity of global warming. If we don't protect the Earth, winter will soon be disappearing. Wild animals are well-protected by Canadians. For example, the Canadian government built wildlife crossings to help ensure the safety of the wildlife, like bears, elk and deer, and reduce the number of wildlife-car collisions. Besides knowledge, I have also learnt to develop good manners. Throughout the trip, I learnt to be polite and talk softly to others to avoid disturbing the peace in Canada. I really enjoyed this ecology tour because I visited a lot of famous places and took lots of photos with my friends. I'm looking forward to joining more study tours in the future.

I have gained a lot of new knowledge about Canada and ecology from this study tour. Human-caused global warming is one of the main factors contributing to the retreating of glaciers. The burning of fossil fuels is changing the natural greenhouse. The Earth is getting warmer and this strong greenhouse effect will warm the oceans and melt glaciers and other ice, causing the sea level to increase as a result.

At Lynn Canyon Ecology Centre, I learnt about various kinds of Canadian wildlife and causes and preventive measures of avalanches. Avalanches occur in all regions of Canada. They occur because many peaks have snow all year round and thick snow accumulates on the steep slopes of the mountains, which lead to a rapid flow of snow down a hill or mountainside.

I think that Canadians are nature-loving people. They are well-mannered as well. I learnt to speak



I appreciated a principal and teachers to take care students during Canada Ecology Tour. I believed that students must visit more beautiful place such as Columbia Icefield. They also understand that daily life how to impact the earth. If they do not protect environment, the natural environment will be damaged.

softly, be polite and work cooperatively with my schoolmates throughout the trip. Since this year will be my last year in AEP, I will cherish the valuable memories and experience I had in this study tour. It was truly my happiest time spent in my entire primary school life!



6C LAM CHI YAN ANNA

Canada Ecology Tour was a valuable and unforgettable experience for Anna. She recorded her experiences by means of wordings and drawing showed she internalised her experiences and kept in her memories. In addition, this tour enhanced her independence throughout the trip. It's really a good experience for her!

Good Job !!



CANADA



From this "Canada Ecology Tour 2019", I have greatly improved my self-care ability. I was able to pack the belongings by myself. I have also increased my confidence in speaking English with others, for example, ordering food at a fast food restaurant or buying souvenirs at a gift shop. I realized that Canadians are generally polite towards others. Therefore, I have also learnt to respond and interact with the local people in a polite way too. During my stay there, I learned how to manage my money and spend it wisely.

I learned more about the effects of global warming at the ecology centre. I think it is very important to go green and live a sustainable life. Therefore, I can take action by using less electricity or use more energy-efficient appliances. On day four, we visited the glacier in the Columbia Icefields of Jasper National Park. Surprisingly, I discovered that the glacier were blue. It was stunning. Blue ice occurs when ice is compressed, air bubbles are squeezed out and ice crystals enlarge, making the ice appear blue.

I think this tour is meaningful and it is definitely worth visiting again.

