

香港環境卓越大獎

基督教中國佈道會聖道迦南書院

Brian Yan Ka Chi - Vice Principal

Owen Tam Ho Chi - Head of Green School Committee

Kelvin Kwok Wai Chung - Executive Officer



ECF Saint Too Canaan College

EMI DSS Christian School

Established in 2013

No. of staff: 106

No. of students: 722

第十八屆香港綠色學校獎



金獎
Gold Award



基督教中國佈道會聖道迦南書院
ECF Saint Too Canaan College



學生參加「兩岸四地綠色建築技術發展論壇」，介紹學校的綠色發展，並學習最新的環保建築技術。

Students participated in the Cross-strait Green Building Technology Development Forum. They introduced the green development of the school and learnt the latest green building technology.



學校設有小型氣象站提供包括溫度、濕度、雨量、風速、風向及紫外線指數等氣象數據，讓學生從中得悉附近的天氣情況。

The school has set up a small weather station to collect meteorological data, including temperature, humidity, rainfall amount, wind speed and direction, and UV index, etc., for students to know more about the weather condition nearby.



迦南綠色教育

「認識環境」
(education **about**
the environment)

課程發展
學科知識

「在環境中學習」
(education **in the**
environment)

硬件提升
綠化校園

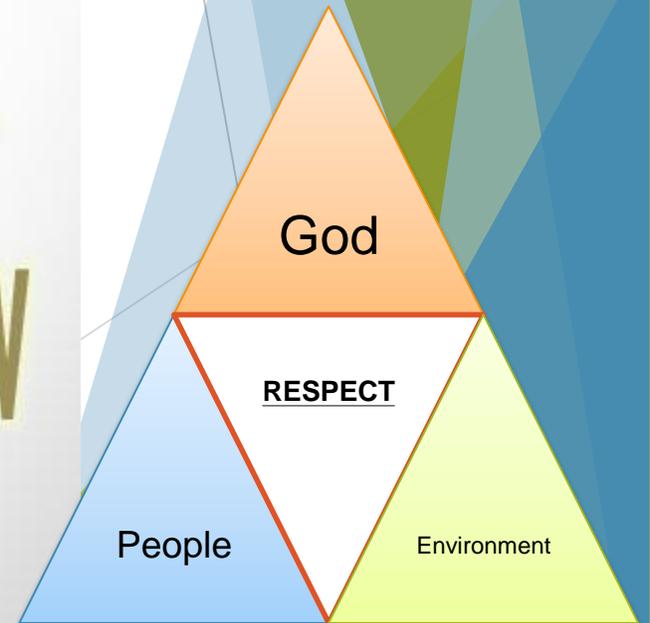
「關心及改善環境」
(education **for the**
environment)

對環境及自然的關愛
注重培育關懷倫理 (ethic of caring)
建立對自然的關愛及環保使命感
珍惜的態度



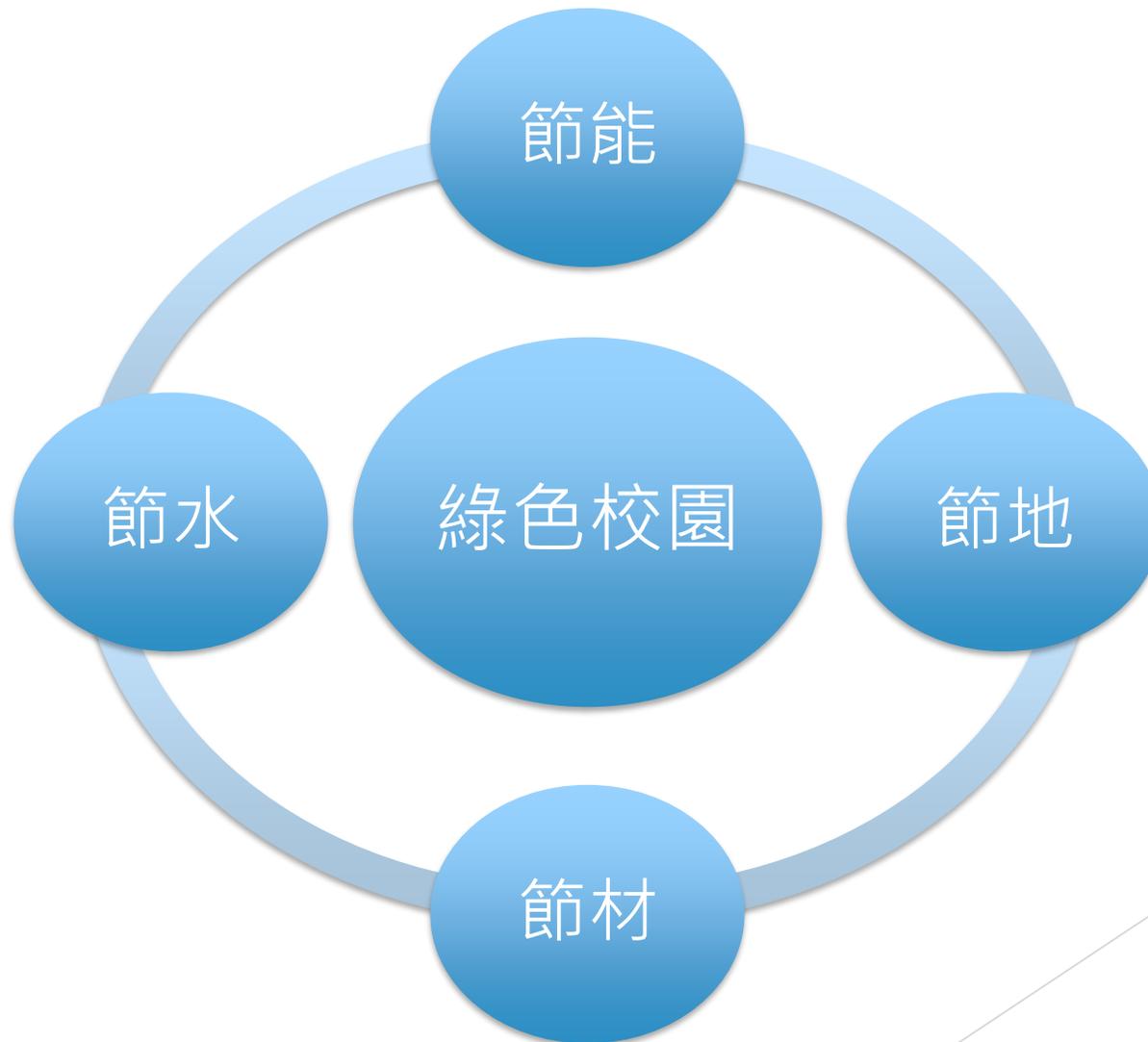
Then God said, I give you every seed-bearing plant on the face of the whole earth and every tree that has fruit with seed in it. They will be yours for food.

GENESIS 1:29 NIV

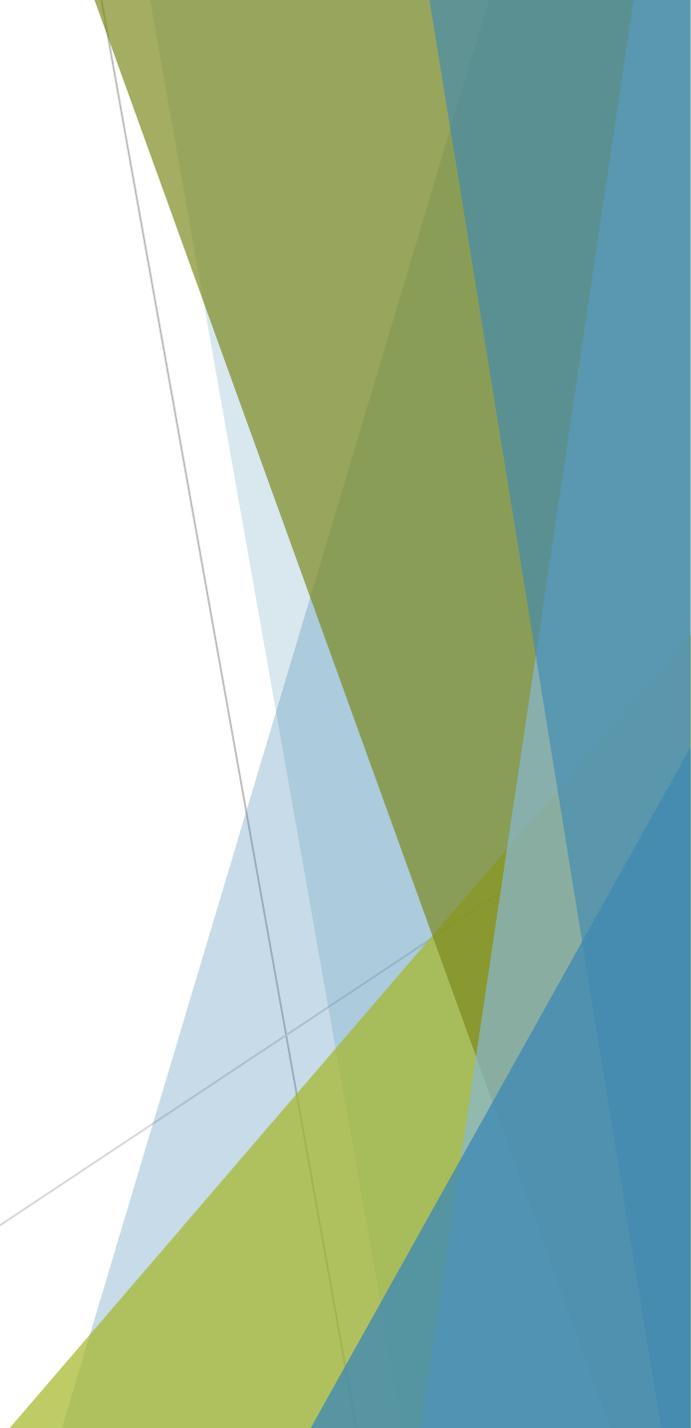




政策

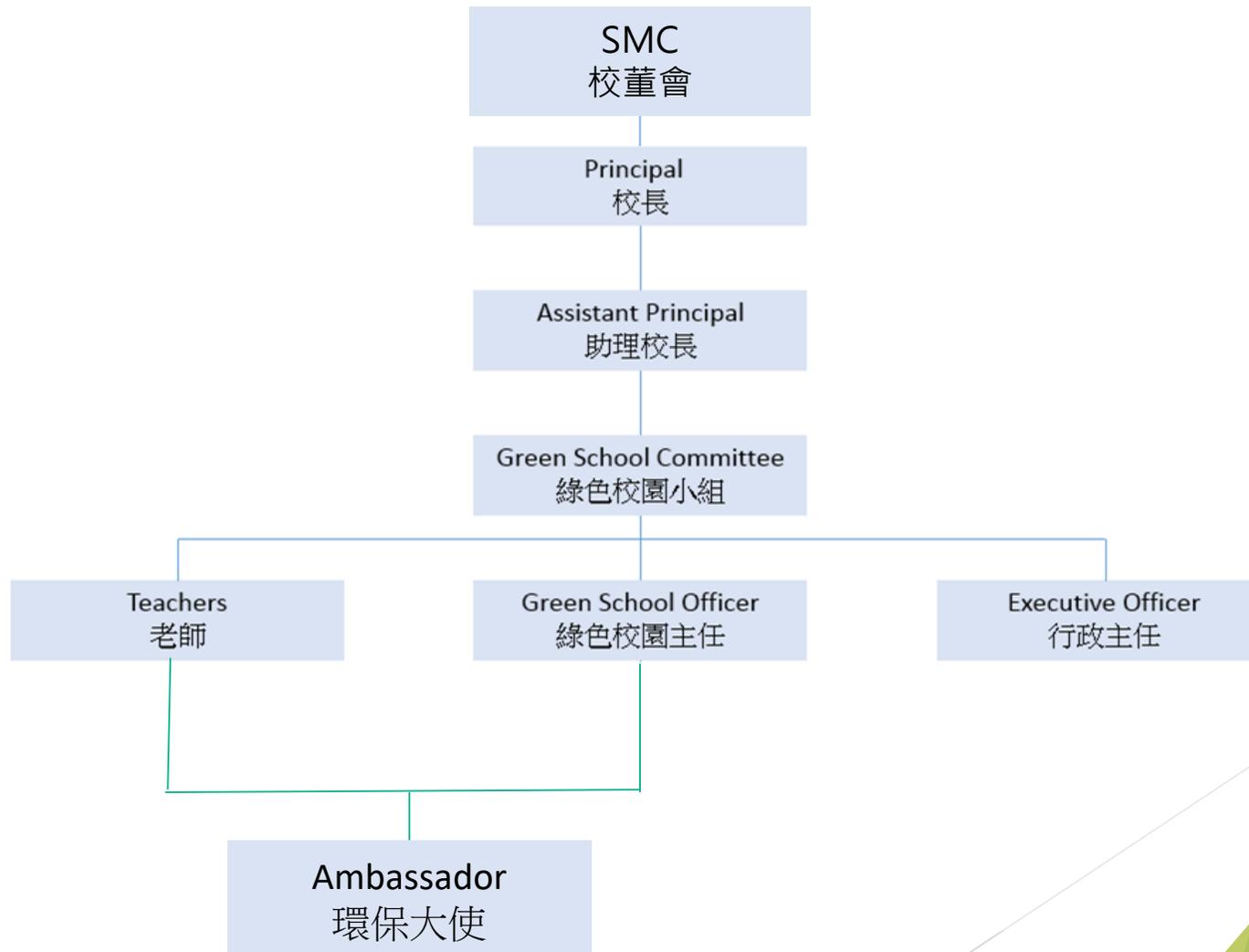


環保領導



Whole school approach structure

Top-down vs Bottom-up



Start from teachers 由教師開始...

邀請校董兼香港房屋署
（發展及建築）總建築師
嚴汝洲先生於教師發展日
分享：

- 全球氣候變化狀況
- 發展綠色校園的重要性
- 中國內地的綠色學校例子
- 介紹本校環境空氣品質監測儀
- 介紹本校學校的節能設施





約章



迦南綠色校園約章
Green Campus Charter

綠在迦南，齊心達成！

本校承諾：

1. 教育學生成為具備環保意識的公民
2. 制定及執行一系列綠色校園政策
 - A. 訂立節能目標及時間表
 - B. 制定具體節能減廢指引
 - C. 增設環保設施達至有效節能減廢

We are committed to:

1. Educate students to be environmentally-conscious citizens
2. Establish and implement a series of green campus policies
 - A. Set energy saving target with a timeline
 - B. Set up guidelines for energy conservation and waste reduction
 - C. Install environmental protection facilities to reduce energy

Issued by: GSC
Date: 2/2019

Green School Committee

Established in 2017-18

In collaboration with environmental professionals, the committee set up some best practices which will ensure the whole school:

1. to reduce our carbon-footprint on our planet.
2. to reduce food waste and increase awareness of recycled material waste.
3. to create a healthier, greener learning environment for our students; and
4. to develop a deeper understanding of the earth's fragile ecosystem in our students



- Assistant Principal
- Geography teacher
- STEM and SCI teacher
- PIC of Organic Farm
- Executive Officer

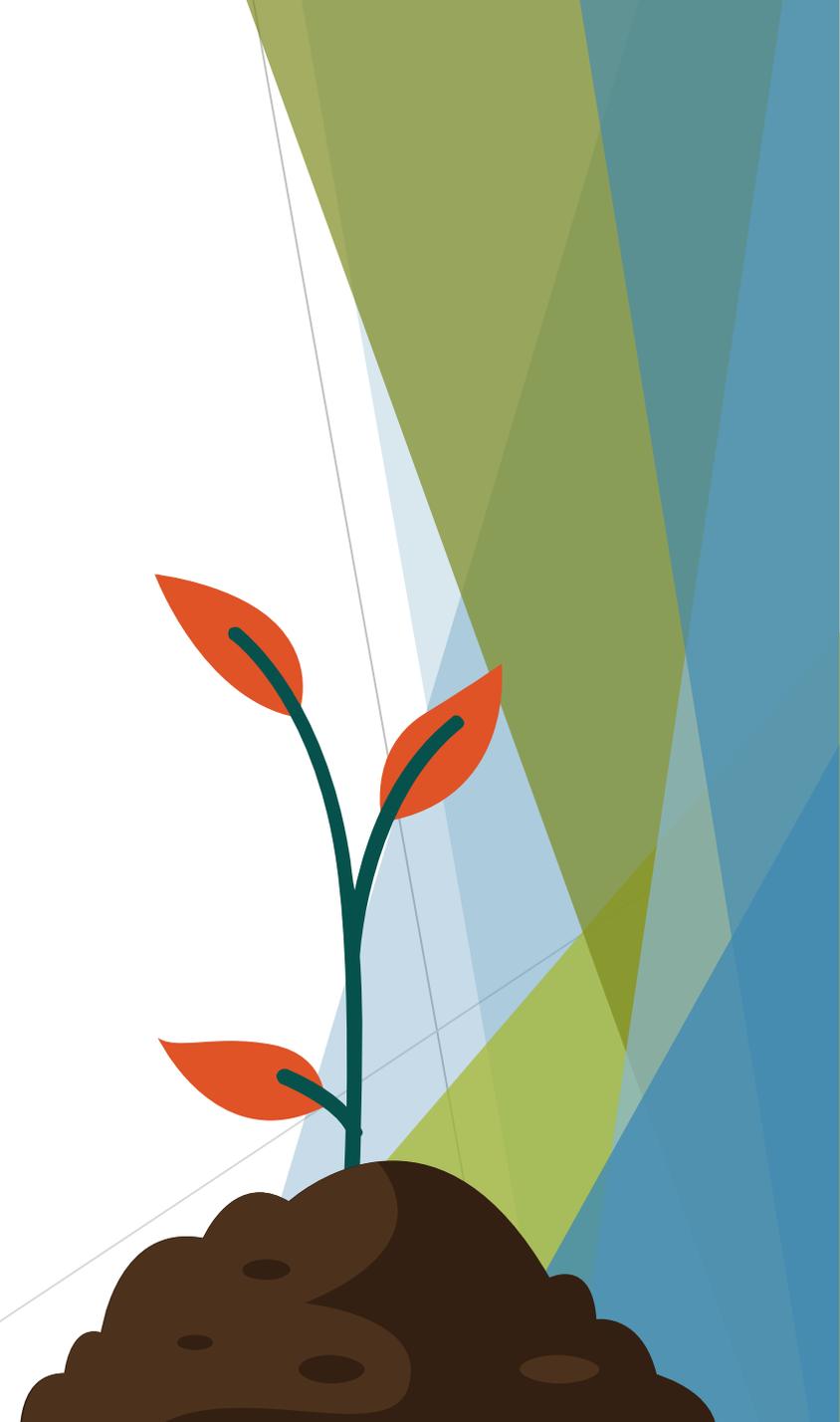
Green education targets 目標

訂立每年減少10%能源消耗的目標：

- 透過職員會議告知全校職員
- 透過週會告知全校學生

每年減少10%能源消耗的目標得以達成：

- 透過職員會議告知全校職員
- 透過壁報板告知全校學生



Student Development

- **Spiritual nurturing:** Student Fellowship, Morning prayer, curriculum design for NCS BK, Praise Team, Life program, bible study group.
- **Character development:** Nurture students to be responsible & humble leaders.
- Provide group counseling for SEN, emotional students. Promote inclusive education.
- **Leadership Training:** Conduct workshops and trainings for leaders to learn cooperation and communication skills.
- **Career Exploration:** workshops, group or individual career counseling, University visits, oversea university visit in LWL, Career Expo (outsourced overseas study)

Green education: energy saving program, recycle competition, training workshops, promote green life style

- **Parents connections:** Parents talks, voluntary service, job-Shadowing, career talk sharing by parents
- **MCEC:** voluntary services, National Security Education (Holistic approach) rights and responsibilities

School Connection

School and church cooperation:

- Set up The Boys' Brigade training
- Conduct 2-year regular parents' workshops
- Kick off Canaan Parents' fellowship in July 2021
- Share in staff prayer meetings
- Lead bible study groups

S1 Intake/ School Connections/ PRC :

- 164 Quota, max. 150 new students, divided into 5 classes, Keep Band 2A-B
- Provide scholarship and "Principal Recommendation Scheme" for targeted schools
- Junior 150 and Senior 110 each form, total student number 780, maintain stable income
- Primary school connections: Target to provide services/ workshops /STEM competitions in 5-8 primary schools / Reach 5 more new schools each year

Learning and teaching

- **Curriculum:** Junior form curriculum mapping, explore more third electives, class formation, explore third language, cross-KLA curriculum, ApL, STEM project learning
- **Teaching :** Enhance classroom teaching, teaching quality enhancement group, teaching effectiveness sharing, iPad teaching,
- **Learning:** Enhance active learner and note-taking skills, Promote E-reading
- **Assessment:** Use Data to trace student performance, uplift DSE results in 5 years and increase university entry rate
- **Develop Elite student group**
- **Highlight student performance**

STCC

3-Year School Development Plan

School Development

School Human Resource

- Add 1 AP in L&T (i.e. P, 2 VPs, 2Aps)
- Class size expansion in S1-S3, total 2 additional teachers in 2022-23
- Add 2 more elective subjects in S4 in 2022-23, additional 0.5 manpower, 1 in NCS

School Administration:

- Refine appraisal procedures to enhance transparency
- Non-teaching staff development
- Alumni representative in SMC

20th school Anniversary celebration

- Joint-publication with Saint Too Institute (50 years)
- Hardware upgrading: School History Archive, Multi-purpose room (Replace LS Room)
- Publication: 學生教師見證集, Green School showcase
- 20th year fundraising for student learning
- Thanksgiving worship

17-20 三年環境教育規劃

2017/18

- ▶ 開始綠色校園計劃
- ▶ 舉辦綠色校園活動
- ▶ 電能消耗及用水監控系統
- ▶ 邀請學生成為環保大使推廣環保並參與相關活動

2018/19

- 定立節能目標
- 增加參觀活動
- 向校外人士介紹本校綠色校園發展
- 建設小型氣象站及購入環境品質監測儀
- 在校本課程強調綠色教育元素
- 透過班主任課進行環保教育

2019/20

- 設立回收攤位鼓勵回收
- 結合學校的硬件設施，把綠色教育元素溶入學科課程中
- 增加太陽能板等可再生能源設施
- 增加LED照明系統
- 安裝自動感應式水龍頭
- 興建蝴蝶園並進行蝴蝶保育相關教育

20-23 三年環境教育規劃

2020/21

全面**硬件**升級:

- 全校更換LED照明裝置
- 安裝風力發電機
- 全校更換感應式水龍頭
- 全校更換更具能源效益冷氣機

培訓環保大使:

- 參加校外與環保相關的比賽
- 獲得第十八屆綠色學校獎

2021/22

本校計劃將擴建**蝴蝶園**及添設**中藥園**，進行蝴蝶保育，並藉此教育學生環境保育及生態平衡的重要性。

結合學校的硬件設施，發展富本校特色的綠色教育，並滲透於不同科目中。

2022/23

申請**綠建環評**相關認證

環保計劃與表現



本校已制定節能減碳指引，
並採取措施減少能源消耗及碳排放。

ST. JOSEPH SAINT JOO CANNAN COLLEGE
聖若瑟中葡法帕利聖道南書院

課室環保節能措施

Environmental Protection and Energy Saving Approaches in Classrooms

請環保大使每天查閱班房電腦桌面上所顯示的當天氣溫，同學應依照以下指引，按氣溫開啟適當數量的冷氣機：
Environmental Prefects should check the temperature on the desktop of the computer every day, and turn on suitable amount of air conditioners according to the guideline below

≤25°C	
25.5-29.5°C	
≥30°C	

離開課室，若下一堂沒有人使用班房，同學請關掉冷風扇及電燈。
If no one uses the classroom in next lesson, students should turn off all the air conditioners, ceiling fans and lightings.

放學後，同學離開前應關掉課室的電腦。
After school, students should turn off the computer in the classroom before leaving.

Green School Committee

Temp. of the day	No. of air con. can be turned on
≤25°C	
25.5-29.5°C	
≥30°C	

Green School Committee



LED燈發動態感應器



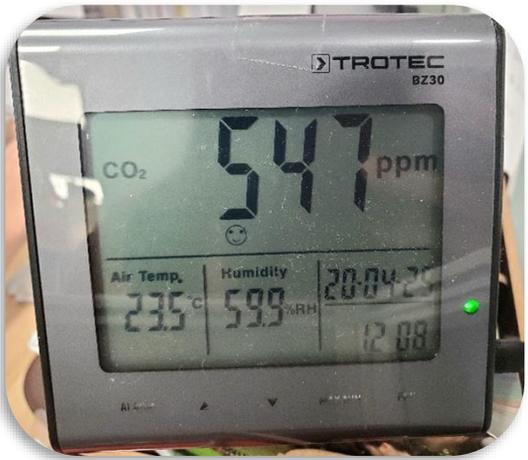
太陽能板



風力發電裝置



定期監控教員室 溫濕度及二氧化碳含量



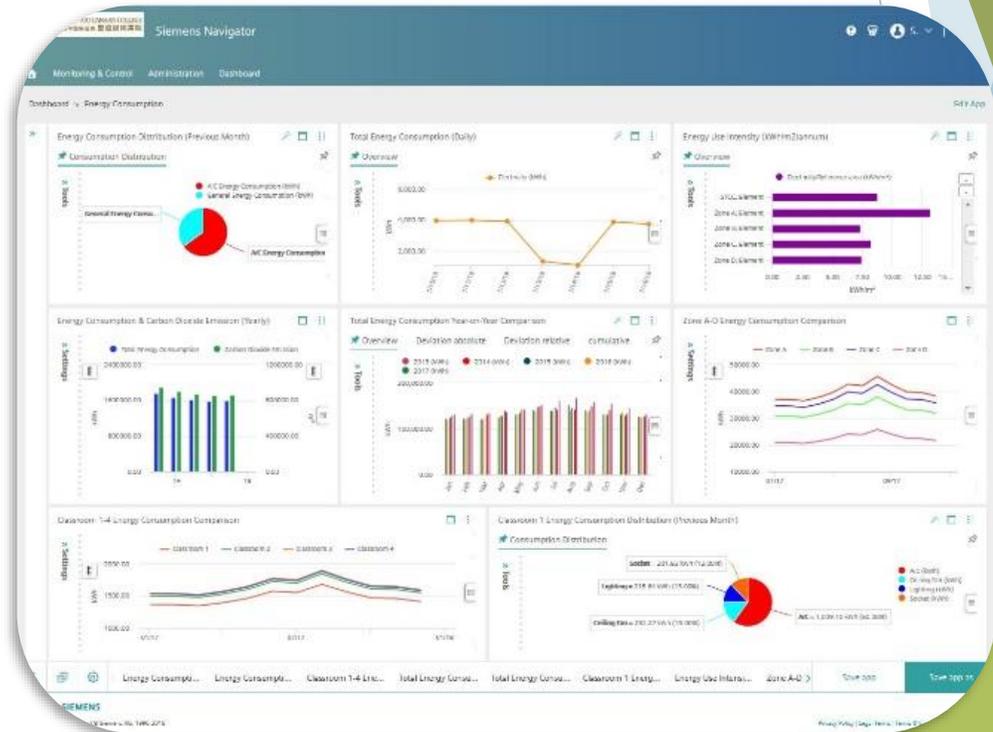
Seat no.	Staff Initial	Staff Name	Lighting (Lx)	Temperature (°C)	CO ₂ (ppm)	Remarks
1	ACY	AU Cheuk Yan	244	25.7	771	
2	LKE	LAM Chun Yam	520	25.6	768	
3	HCK	HUI Chun Kau	668	25.6	768	
4	WSY	WONG Shun Yiu	718	25.6	776	
5	ERI	WONG Wai Kit	533	25.7	796	
6	CYE	CHENG Kwok Yeung	511	25.6	767	
7	LLM	LI Lee Mei	643	25.6	768	
8	WCH	WONG Chi Hang	704	25.6	785	
9	KLY	KWOK Lai Yi	557	25.6	814	
10	DER	CHAN Ka Wing	516	25.2	822	
11	LYY	LIANG Ying Yi	616	25.2	796	
12	AMK	AU YEUNG Mei Kuen	611	25.2	787	
13	SAU	LEE Sau Kuen	603	25.5	830	
14	YCW	YIP Chun Wa	680	25.1	848	
15	LWM	LAM Wing Man	612	25.2	805	
16	AYI	AU Yu Yan	677	25.2	792	
17	WYV	WONG Yiu Yung	570	25.6	839	
18	CYA	CHAN Suet Yan	569	25	659	
19	CSZ	CHOW Mui Sze	610	25	718	
20	THC	TAM Ho Chi	511	25	752	
21	LKM	LEE Ka Ming	491	25.1	828	
22	WYL	WONG Yu Lan	477	25	691	
23	CWK	CHAN Wai Kin	534	25	728	
24	YLS	YIU Lai Shan	424	25.1	762	
25	WCW	WONG Chi Wang	479	25.1	783	
26	NYM	NG Yee Man	597	24.9	751	
27	SKW	SUN Ka Wa	669	24.9	718	
28	BEN	LEUNG Chi Ho	584	24.9	689	
29	SSS	SO Suet Shan	666	24.9	687	



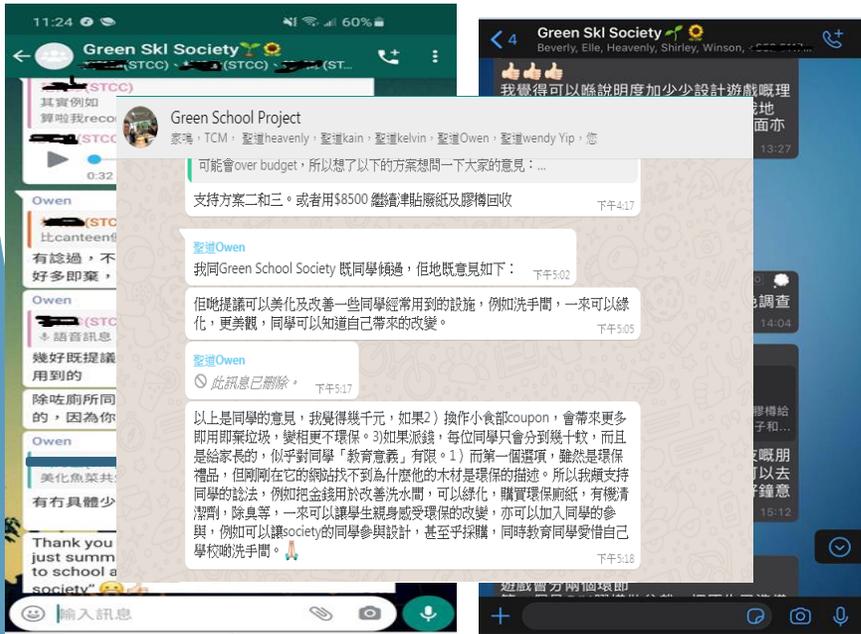
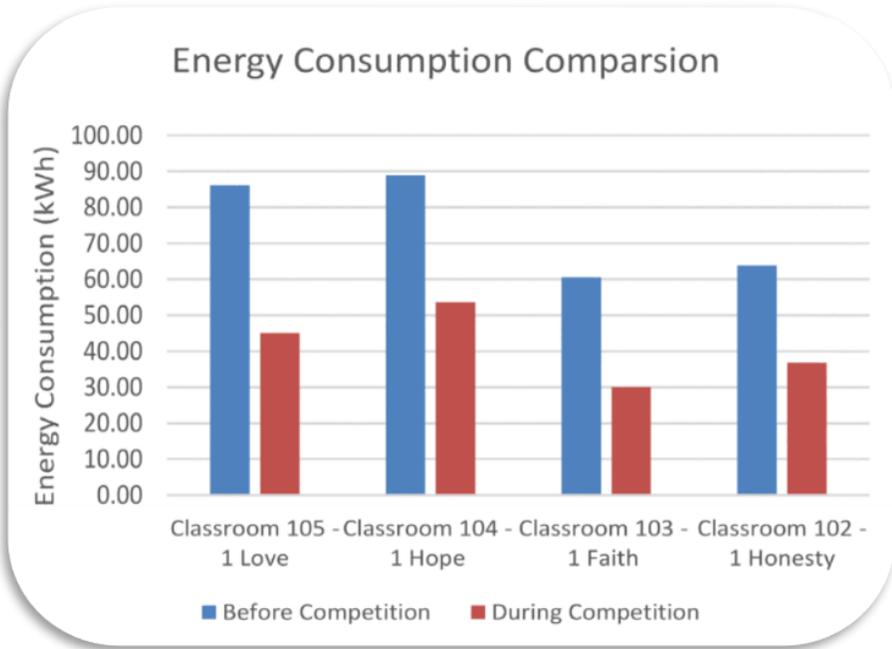
改善室內環境及空氣流通



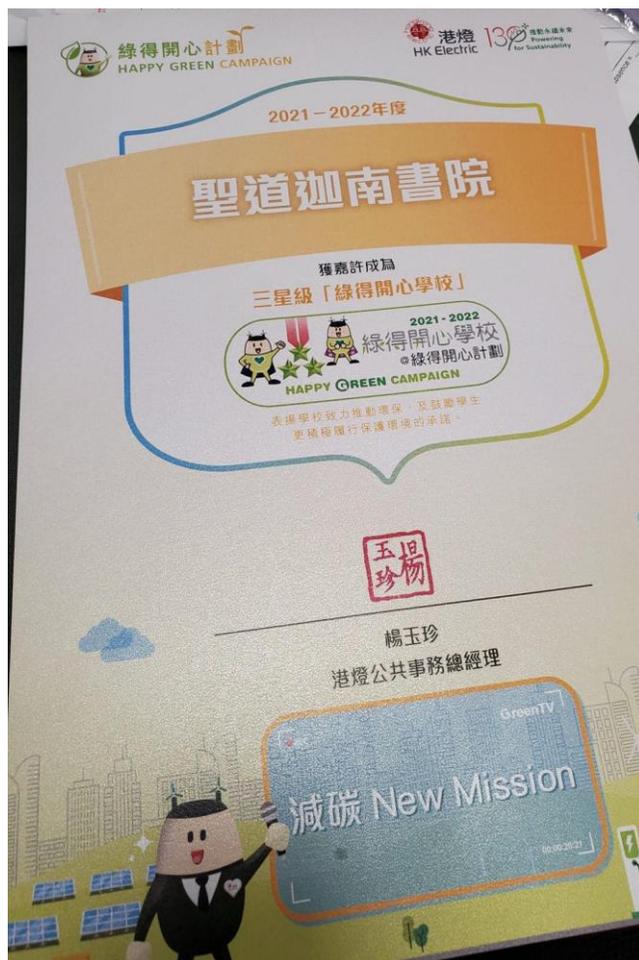
電能消耗監控系統



中一級班際 節能比賽



本校於2020/21學年參與了及 / 或持有所列環保計劃的有效證書。



6 July 2021

Ref: C3796/447_let

Principal Tsui
ECF Saint Too Canaan College

6 Lee On Lane,
Kwun Tong,
Kowloon

Dear Principal Tsui,

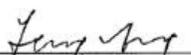
RE: Jockey Club BEAM Plus in Schools Project
Confirmation on the Proposed Scope of Works

Getting started on our decarbonisation journey, our appointed contractor, REC Engineering Company Limited ("REC"), has completed the site measurement at your school and the proposed Scope of Works are listed in the Appendix for your information.

Please signify your agreement on the proposed works by signing and return the original copy to our office for our onward procession. Upon the receipt of your confirmation, we will arrange REC to commence the works.

For any queries, please contact our Ms Rachel Tse at 2784 3971.

Yours sincerely,
For and On behalf of
Business Environment Council Limited
商界環保協會有限公司


C F Leung
Director - Operations

Confirmed and Agreed by:
For and On behalf of
ECF Saint Too Canaan College
基督教中國佈道會聖道迦南書院


Authorised Signatory with School's Chop

Name: **Ms. Tsui Chiu Mui, Principal**

Title:

Date: **-9 JUL 2021**

安裝感應式水龍頭



利用索帶縮短出水時間



回收箱

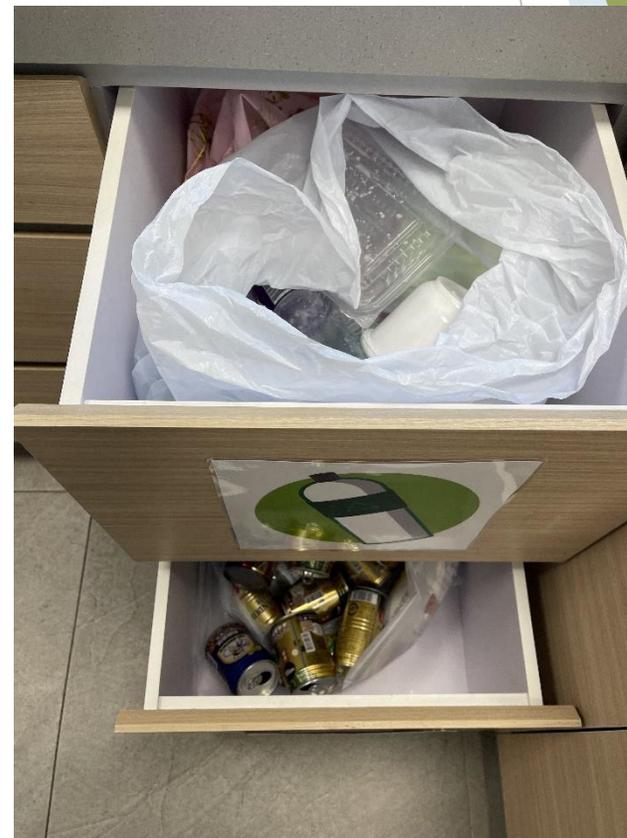
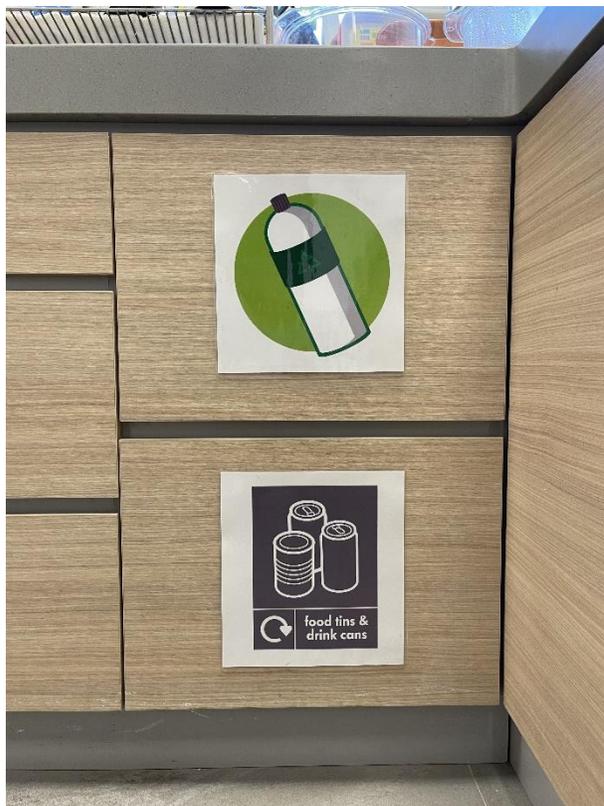
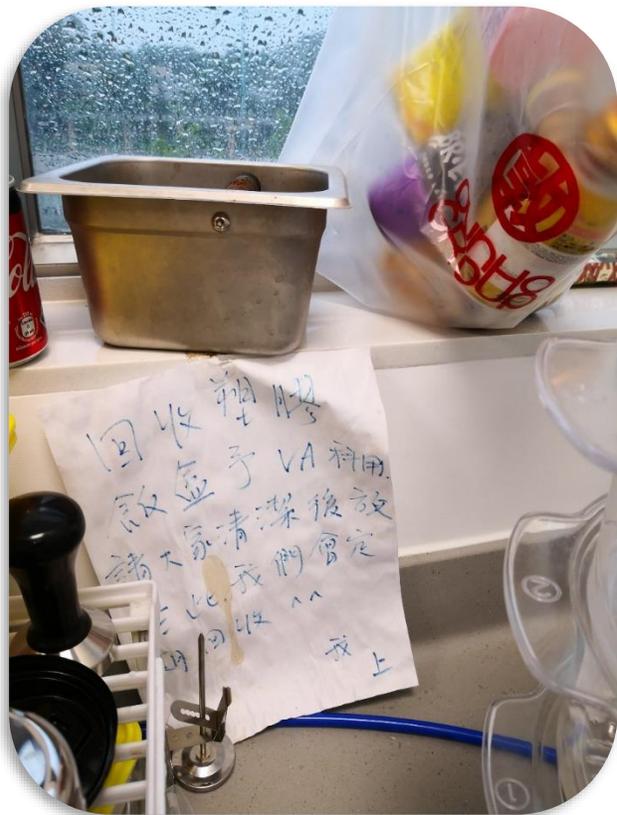
New! (2022)



廚餘機



回收塑膠 (教員室)



在丟棄物資前充分利用



小額採購物品環保採購指引

聖道迦南書院

小額採購物品環保採購指引

以下為建議採購的環保文具特質及品牌型號例子：

一般文儀用品

產品編號	目標產品	小額採購物品環保採購小貼士
R04	一般文儀用品	留意產品是否有至少一項下列聲明： > 含有再生物料 > 不含鄰苯二甲酸酯

筆

產品編號	目標產品	小額採購物品環保採購小貼士
R09	筆	留意產品是否有至少一項下列聲明： > 產品無毒 或 符合 EN-71-3 要求 > 產品使用市場有售的補充式墨水或筆芯 > 產品不含揮發性有機溶劑

例子：

Rexcrip - Ballpoint pen - Blue - Bepreen - Medium Tip

- ✓ 由 77.7% 的再生塑料（不包括消耗品）製成，以減少對環境的影響。
- ✓ 採用市面有售的替換芯

價格：~ \$6.5



PILOT Super Gel - Gel Ink Rollerball - Blue - Bepreen - Medium Tip

- ✓ 由 93.3% 的再生塑料（不包括消耗品）製成，以減少對環境的影響。

價格：~ \$7



ZEBRA Eco-Zebra Jimmie Clip Eco Ballpoint Retractable Pen

- ✓ 含再生塑料（不包括消耗品），以減少對環境的影響。
- ✓ 採用市面有售的替換芯

價格：~ \$8.5



Pentel EnerGel X Product code: BL107 (Recycology)

- ✓ 由 84% 的再生塑料（不包括消耗品）製成，以減少對環境的影響。
- ✓ 採用市面有售的替換芯

價格：~ \$6.5



Zebra Saras Push Clip Gel Pens

- ✓ 筆桿等使用再生材料，
- ✓ 獲得日本環保標章
- ✓ 符合綠色採購法
- ✓ GPN 環保商品網站銷售商品

價格：~ \$7



PILOT BR-S FINE

- ✓ 採用市面有售的替換芯

價格：~ \$4.2



改錯帶

產品編號	目標產品	小額採購物品環保採購小貼士
R15	改錯帶	留意產品是否有至少一項下列聲明： > 產品的膠成份含有再生物料 > 產品採用市面有售的替換芯 > 產品不含氟氯化碳(CFCs)

例子：

PILOT White Line RT - Bepreen

- ✓ 由 88.4% 的再生塑料（不包括消耗品）製成，以減少對環境的影響。
- ✓ 採用市面有售的替換芯

價格：~ \$26



膠紙及膠紙座

產品編號	目標產品	小額採購物品環保採購小貼士
R01	膠紙及膠紙座	膠紙 留意產品是否有至少一項下列聲明： > 黏合法屬不含有機溶劑 > 無鄰苯二甲酸酯
		膠紙座 留意產品是否有下列的聲明： > 無聚氯乙烷(PVC) 或留意產品是否有下列其中一款國際分類標誌：

例子：

Panfix SELF ADHESIVE CELLULOSE TAPE

- ✓ 環保，焚燒時二氧化碳排放量低
- ✓ 由天然材料製成的，因此將回歸土壤
- ✓ 紙芯由再生紙製成



Online assemblies related to Green Education during the suspension period

- ▶ Video clip
- ▶ https://www.youtube.com/watch?v=t3ye5HI_l4w&list=PL3_vkyfWJxNIOZWx4EPWGPAlmOlod9KYC&index=45&t=32s





逝南
蝴蝶園
Steel Butterfly Garden





魚菜共生系統



有機農莊



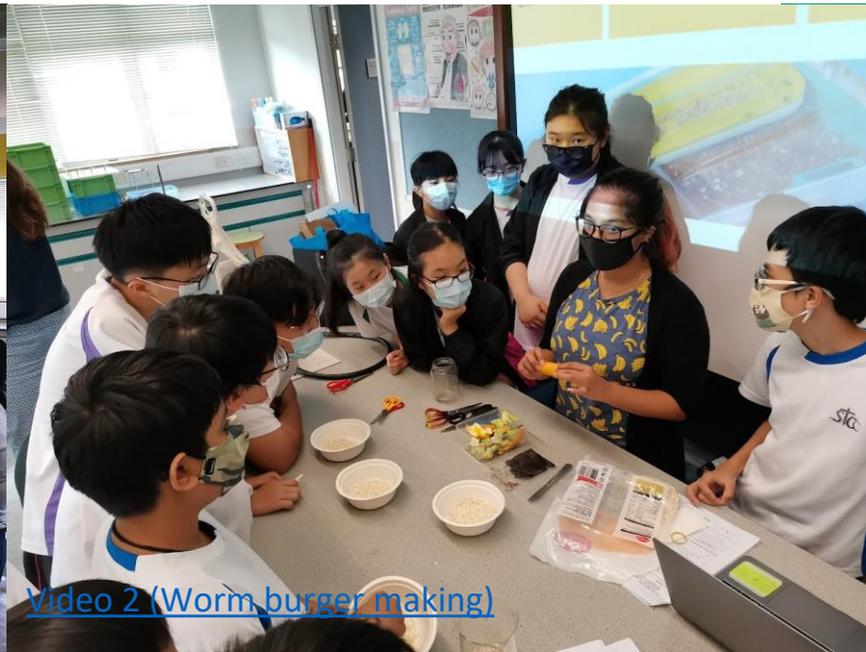


日期: 2/20, 6/11,
4/12, 5/2, 4/3, 1/4
(2020-2021)
參與人數: 20人



學生參與打理綠化空間
(例如: 照顧植物、參與耕種等)

Mealworm Program



Video 1 (Click)

13:51 / 24:27

DIY ECO BAG workshop

日期: 23-25/06/2021
參與人數: 90人

Green School Society LWL DIY ECO BAG



Amount of wasted clothes around the world 🌐

- An average consumer throws away **31.75 kilograms** of clothing per year.
- Globally we produce **13 million tons of textile waste** each year **95% of which could be reused or recycled.**

How used clothes is collected in Hong Kong?

- An average of 110,000 tonnes of disposed garments are collected in Hong Kong each year, **which equals to a rate of 1,400 T-shirts per minute.**

How used clothes are collected in Hong Kong?

- **Redress**, an environmental NGO that sells second-hand clothes
- It can help to reduce the waste in fashion industry
- Used clothes collected bins are available in most residential areas in Hong Kong.



What can we do to relieve the problems of used clothes ?



DIY eco bag (Reuse 📧)

<https://www.youtube.com/watch?v=zpaM3u2zag>

<https://www.youtube.com/watch?v=suY1d5IocCY>



日期: 23-25/06/2021
參與人數: 90人



探訪活動 (賽馬會氣候變化博物館)

日期: 06/07/2021
參與人數: 19人





參觀屯門 O Park (廚餘回收設施)

ENVIRONMENTAL CHECKLIST

Month: _____ Week: _____

Date:	Week:						
	/	/	/	/	/	/	/
Tasks	E.g.	✓					
Turn off lights, computers and other electrical equipment when not in use.							
Adopt natural ventilation (i.e. open windows and doors) and use fans when the outdoor air temperature is below 25°C and the outdoor air quality is good.							
Maintain the temperature of air-conditioners in your classroom within the temperature range set under the school policy. (23-25°C).							
Do not produce leftovers. (Finish more than half of your lunch box)							
Separate the food waste from lunchboxes, cutlery and/or containers to facilitate food waste recycling.							
Use collection boxes for collecting the one-side-used paper.							
Bring your own water bottle.							
Stop buying bottled water and drinks.							
Drink without straw or use reusable straws when necessary.							
Use reusable cutlery (such as spoons, forks, etc.) at school.							
Reuse folders.							
Put waste paper, metal cans and plastics into appropriate recycling bins.							
Practise clean recycling. (e.g. Clean your cans using water before putting them into the recycling bins)							
Keep the rubbish bin in your classroom clean.							
Keep your classroom clean and free of dust.							
Clean up food or drink spills immediately to prevent mould or bacterial growth, if any.							

Environmental checklist by Green Prefects



2020-2021年度 環保大使 (AGM)

日期: 03/11/2020
參與人數: 15人



校董嚴先生親自帶領培訓工作坊



日期: 21/06/2021

參與人數: 19人

環保大使於學期初協助回收 上一學年班房的剩餘物資

日期: 14/10/2020
參與人數: 15人



環保大使於學期尾回 收舊校服、課外書及文具

日期: 10/09/2021
參與人數: 6人



學校開放日 (二手物品、種籽義賣)

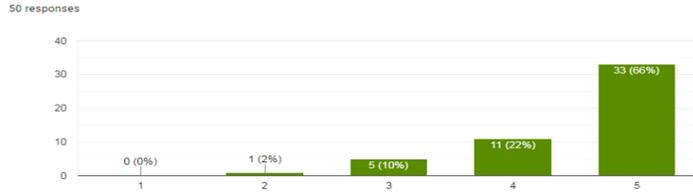


每月環保資訊

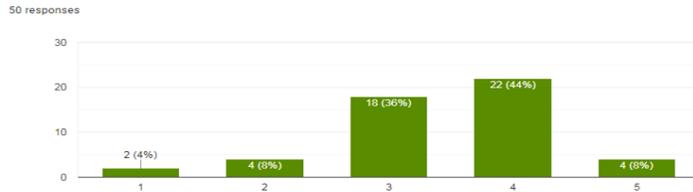


Teachers survey 綠色教育問卷 (教師)

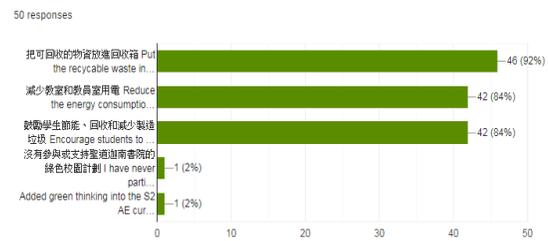
1. 您是否同意聖道南書院在本學年訂立節省10%電費的節能目標? Do you agree with the energy saving goal of reducing 10% of electricity consumption of STCC?



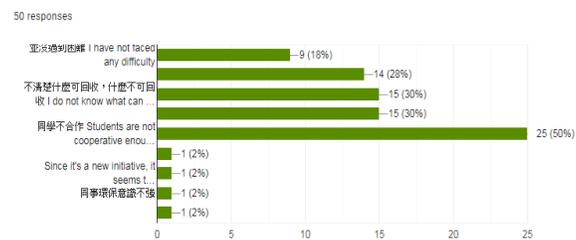
2. 您是否了解相關節能措施? Are you familiar with the energy saving measures of STCC?



6. 您曾以什麼形式參與或支持聖道南書院的綠色校園計劃?(可選多項) In what way(s) you have participated in or supported the green school campaign of STCC? (you may choose more than one answer)



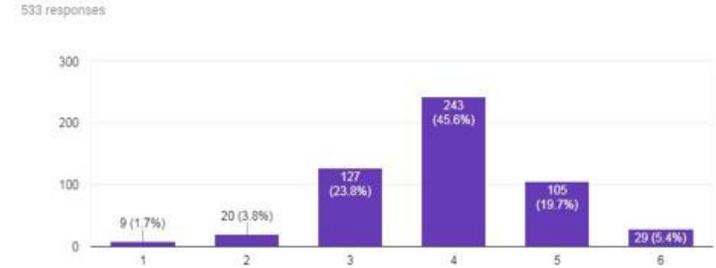
7. 你在學校推行環保時曾遇過甚麼困難?(可選多項) What kind of difficulty(ies) you have faced while you carrying out environmental protection at school.



Student Survey 綠色教育問卷 (學生)

Section 3: Take action in green education (推行綠色教育)

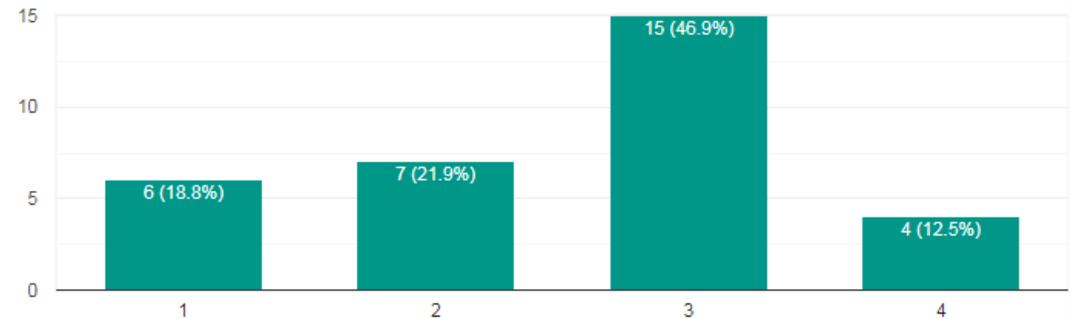
Please indicate the level of Green School knowledge that you have acquired. (你對綠色校園的認識程度。)



Are you willing to start a green life and take parts in environmental protection and saving natural resources? (你願意開始綠色生活, 為保護環境及地球資源出一分力嗎?)

Q5. When I think the room is cold enough, I will turn off the air conditioner.

32 responses





學校週會 同學分享環節 (Ocean 3C)





學校週會
嘉賓分享
(環保協進會--- 淨灘)

夥伴協力合作

本校有跟其他學校就環境管理及其他環境議題
分享經驗 / 本校代表曾於外間機構主辦的環保
工作坊、展覽、會議或研討會中擔當嘉賓講者

- ▶ EDUHK sharing
- ▶ 有才有德：優質生命教育及品德教育計劃（和富慈善基金捐贈）
- ▶ **Date: 2021/6/21**
- ▶ **Participants:**
Sheeta Wong (2020 graduate)
Brian Yan (Assistant Principal)
Celine Tsui (Principal)



推廣及宣傳「香港環境卓越大獎」

本校透過學校網絡推廣及宣傳「香港環境卓越大獎」（例如：在校園、網站、電子屏幕等顯示在上述計劃獲得的標誌 / 貼紙；把獲得的相關標誌印在名片、信紙和通過媒體刊登專題文章）。

- ▶ After winning the Green School Award, teachers have promoted the HKAEE and encourage other schools to join



同學眼中的綠色校園!





