



What Israel Innovation Technology Has Taught Us: Insight into STEM Education

以色列創新科技給我們的一課： STEM 教育的啟發

Mr. Albert Wong
IT Manager, Ying Wa College



Agenda

- Itinerary
- Follow-up actions



Before Israel Trip

- Jan 2019 – UK BETT



Before Israel Trip

- Jan 2020 – UK BETT



ISRAEL

英華書院



YING WA COLLEGE

以色列創科教育團

ISRAEL STEM EDUCATION TRIP

2020-01-27 to 2020-02-04

Itinerary

 STEM & Innovation related


 Religious

 Cultural

Ying Wa College - Student STEM Educational Trip to Israel 2020 (2020-01-27 to 2020-02-04)

	2020-01-26	2020-01-27	2020-01-28	2020-01-29	2020-01-30	2020-01-31	2020-02-01	2020-02-02	2020-02-03	2020-02-04
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday
AM		CX675 HKG >> TLV 0130 / 0725+1 >> Arrive Tel Aviv (特拉维夫) >> Mt of Olives School Visit : Seligsberg High School	Hebrew University Lecture: Entrepreneurship and Ideation- into the mind of the entrepreneur	PICO Kids - Makerspace	Introduction to the Startup Nation and the Beer-Sheva Innovation Ecosystem Tour of the BGU Campus	>> Sea of Galilee (加利利海) area >> Mount of Beatitudes (八福山教堂) >> Tabha and have a boat ride	Science Museum	1000-1100 Morning service in Jaffa (雅法) Church Immanuel Church http://www.immanuelchurch-jaffa.com/	visit Taglit Innovation Center - The origins of Israeli Innovation	CX676 Arrive HK @ 0615
Lunch		1300-1400 Lunch with Innovation Authority @ 17F, Building 2/3, Malha Technology Park, Jerusalem (Principal, Albert and Ling, meet with Ms Nofar Hamrany) >> JBC arrange lunch for others	1145-1245 Lunch in HUJI canteen	1300-1400 Lunch	Lunch	St. Peters fish lunch	LUNCH in Haifa		Lunch	
PM		>> visit Bethlehem (伯利恆) to see Church of Nativity (伯利恆主誕教堂) and Shepherd's field (牧羊人的田野)	Hebrew University Workshop : Innovation Strategies and Innovation Systematic Methods Hebrew University Workshop : Chemistry Magic Show	Meeting with Israeli Ministry of Education and Ministry of Economy >> The Western Wall (哭牆) >> The Old City >> Via Dolorosa (苦路) >> Garden Tomb Jerusalem	Visiting L.E.M. laboratory for Pathology and Cytology	Tour of the kibbutz (基布茲)	>> Go to Tel Aviv (特拉维夫) 1400 - 1500 Visit to Beit Hatfutzot museum 1530-1730 Jaffa tour and Neve Tzedek	Meeting with EdTech Companies and and Ministry of Economy	TLV airport CX676 TVL >> HKG 1425 / 0615+1	
Evening / Dinner	22:30 Gather at HK International Airport T1	1930 Night Light Show in The Tower of David (大衛塔)	>> Visit Israel Museum >> A visit to the youth wing of the Jerusalem Museum	>> Jewish Family Dinner	Dinner	Israeli folk dancing activity and a family dinner	Dinner	Dinner		

Itinerary

 STEM & Innovation related

 Religious & Cultural

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Reflection (@ Israel)



IMG_2341.JPG



IMG_2342.JPG



IMG_2343.JPG



IMG_2344.JPG



IMG_2346.JPG



IMG_2347.JPG



IMG_2348.JPG



IMG_2350.JPG



Reflection (@ Israel)



DSC05830.JPG



DSC05832.JPG



DSC05833.JPG



DSC05834.JPG



DSC05835.JPG



DSC05836.JPG



DSC05837.JPG



DSC05838.JPG



Reflection (@ Israel)



DSC06611.JPG



DSC06612.JPG



DSC06613.JPG



DSC06614.JPG



DSC06615.JPG



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DSC06618.JPG



DSC06620.JPG



DSC06621.JPG



DSC06623.JPG



DSC06624.JPG



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DSC06626.JPG



DSC06628.JPG

Unluckily ... COVID → Face-to-Face Class suspension



<https://media.timeout.com/images/105622586/image.jpg>



https://img.i-scmp.com/cdn-cgi/image/fit=contain,width=1098,format=auto/sites/default/files/styles/1200x800/public/d8/images/methode/2020/03/19/dfaafc9e-69cf-11ea-9de8-4adc9756b5c3_image_hires_204759.JPG?itok=ZZTcZJlb&v=1584622089

Luckily ...



MORALS * ACADEMIC EXCELLENCE * SELF DISCIPLINE * CHRISTIAN FAITH * GLOBAL VISION

進德修業，放眼世界，自愛自律，推己及人

YING WA COLLEGE

File No.: EN202105

Arrangements for Resumption of Face-to-Face Classes in September

16 September 2020

To: S1-S6 students and parents
From: Principal

Schedule and Timetable

The Education Bureau (EDB) announced that schools in Hong Kong could resume face-to face classes in a gradual and orderly manner. To minimize the risk of infection and facilitate schools' cleaning, the EDB advises all schools to provide half-day classes. Classes in our school will resume according to the following schedule:

Class Level	Date of Resumption	Start Time	Leave Time
S1 & S5-S6	23 September	^07:45	*13:10
#S2-S4	29 September	^07:45	*13:10

Time	Period
07:50 – 08:00	Class teachers meeting students for roll call and class affairs

So ...



Israel student group

Cheuk, Ching, Ching, Chun, Chun, Hugo, Yui, Ka, Kit, Lap, Michael, Shek, Si, Tai, Tsz, Yin, Yiu

Shek Chung Cedric 林錫忠 (S1E) Lam

10/22/2020

由以色列創科教育團之旅後已經7個多月
想約同學們聚一聚
整理大家嘅見聞同反思
用唔同嘅方式喺校內展示比其他人

聚會詳情如下：

時間：下星期四放學後(10月29日 DayB), 1310-1430

地點：C604 inno Hub

事前準備：

搵返之前嘅「功課」出嚟

- 1.) 200-250 字感受/其中一樣旅程中難忘的事/得益/ 想表達的正面訊息
- 2.) 海報設計
- 3.) 錄影片段反思

諗到任何建議(例如網上平台分享, 校園各項佈置等等), 簡單寫下重點再分享

到時見 :))

13:10






So ...



So ...

NOVEMBER 2020

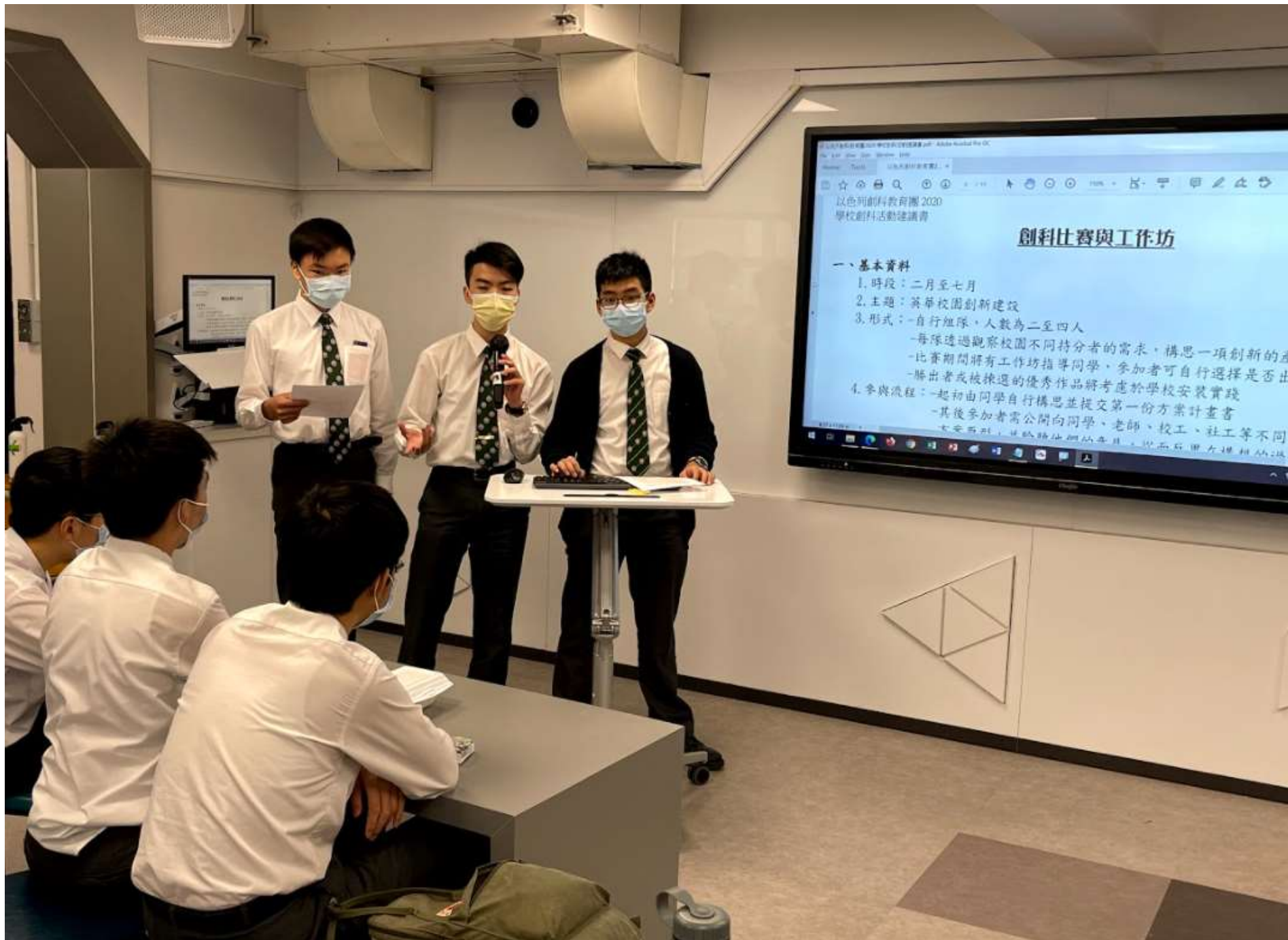
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5 	6	7
8	9	10	11 	12	13	14
15	16	17	18	19	20 	21
22	23	24	25	26	27	28
29	30					

<https://zudocallendrio.com/wp-content/uploads/2020/10/Calendar-November-2020-Free-Template-800x480.png> ;
<https://image.shutterstock.com/image-vector/group-business-people-having-meeting-260nw-318101102.jpg>

So ...



So ...



英華書院 以色列創科教育團2020 學校創科活動建議書



英華書院 以色列創科教育團2020 學校創科活動建議書

- **流動資訊電視**
- **科技大使計畫**
- **創科比賽與工作坊**
- **初創互動程式**

英華書院 以色列創科教育團2020 學校創科活動建議書

全年時間線

月份	活動			
11	流動資訊電視	科技大使計畫		
12				
1				
2				
3				
4		初創互動程式		創科比賽與工作坊
5				
6				
7				

英華書院 以色列創科教育團2020 學校創科活動建議書

流動資訊電視

一、基本資料

1. 起始時間：十一月尾至十二月
2. 期限：永久擺放
3. 地點：飯堂售賣處上方或正門右方、小舞台上、中一至五樓層走廊
4. 數量：七部
5. 形式：
 - 播放創新/科技相關短片
 - 最初由以色列科技團同學搜尋及下載網上短片，或自行拍攝介紹影片
 - 後期鼓勵其他同學搜尋及拍攝短片
6. 參加辦法：
 - 聯絡黃健威老師或林錫忠
 - 以學校帳戶填寫內聯網資訊欄或科技團 IG 帳戶上的 Google Form
7. 聯絡渠道：以色列創科教育團開設的 IG 帳戶、相關老師及各級兩名代表同學
8. 物資：電視、藍牙耳機/模型(獎品)

英華書院 以色列創科教育團2020 學校創科活動建議書

1. 科技團團員部份

來源	範疇	內容	示範影片	備註
	設計思維及基礎創科思維	<ul style="list-style-type: none"> ▶ PIVOT 設計思維 ▶ TIPS 解難思維 ▶ 初創生態系統 ▶ 關注社區問題 ▶ 用家意見及數據平台 ▶ 設計獨特性與實用性 ▶ 產品市場平衡的打破 ▶ 顧客與用家的分別 	<p>What Is Design Thinking?-</p> <p>https://www.youtube.com/watch?v=a7sEoEvT8l8</p>	
	世界創科背景	<ul style="list-style-type: none"> ▶ 工業 4.0 ▶ 3D 打印的應用 ▶ 物聯網 ▶ 大數據與人工智能 ▶ 金融區塊鏈科及 ▶ 各地科技發展趨勢 ▶ 社區平等階級模型 	<p>「工業 4.0」-「未來工廠」是怎樣的?-</p> <p>https://www.youtube.com/watch?v=bd5ERpuJET4</p>	需加上字幕及
	電子科技 /	<ul style="list-style-type: none"> ▶ 半導體工業 ▶ 白粉架助及地地 / 	How semiconductors work	及

英華書院 以色列創科教育團2020 學校創科活動建議書

網上	電子科技/ 城市科技	<ul style="list-style-type: none"> ▶ 自動駕駛及機械人 ▶ 殘障輔助科技 ▶ 物聯網城市規劃 	work- https://www.youtube.com/watch?v=33vbFFFn04k	縮減至五分鐘以內
	生物科技	<ul style="list-style-type: none"> ▶ 細胞再生技術 ▶ 最新抗癌技術 	StemCell Based Organ Regeneration- https://www.youtube.com/watch?v=Xt4fSolJqxE	
	環境科技	<ul style="list-style-type: none"> ▶ 海藻養殖場 ▶ 沙漠綠化項目 ▶ 糧食科技 	The Ocean's Forgotten Superfood- https://www.youtube.com/watch?v=06Tw6GD1qFc&feature=emb_title	
	教育科技	<ul style="list-style-type: none"> ▶ 資源共享平台 ▶ 自主學習與教師培訓 ▶ 網絡意識 ▶ 虛擬實境互動教學 ▶ 幼兒/青年互動教學 ▶ 初創輔導及協助 	What is Educational Technology (EdTech)?- https://www.youtube.com/watch?v=okJYsMi2_jk	

英華書院 以色列創科教育團2020 學校創科活動建議書

	建築科技	<ul style="list-style-type: none"> ▶ 低成本 3D 打印房屋 ▶ 環保磚 ▶ 以人為本的建築設計 	<p>2020-</p> <p>https://www.youtube.com/watch?v=eIVl3gmswhM</p>
	日常社區觀察	<ul style="list-style-type: none"> ▶ 同理心 ▶ 關顧不同持分者 ▶ 深入溝通 	
製作	創意功課	每位團員將回港後發明的產品概念海報拍成介紹短片(露樣/不露樣)	
	創科交流心得	集合各團員回港後的得著與感受拍成短片，內容著重創新的思維與文化風氣(露樣/不露樣)	
	以色列團照片		

英華書院 以色列創科教育團2020 學校創科活動建議書

科技大使計畫

一、基本資料

1. 時段：十二月至三月(十八日)
2. 對象：初中班別
3. 形式：
 - 抽籤決定各班負責的持分者
 - 各班需要就抽中的持分者，思考他們日常面對的困難
 - 全體同學一共在網上搜尋或自行制定解決方案
 - 每班派出一至兩名科技大使輪流於早上宣布時段作簡短匯報
 - 其他班別可就匯報內容回答問題及作出回應來儲創意點數
 - 創意點數可兌換年終設計與科技科的額外分數
4. 參與流程：
 - 起初由每班呈交科技大使名單並抽出持分者
 - 科技大使匯報前三日需事先向老師遞交匯報內容
 - 由以色列團員就匯報內容出一至兩道問題加入 Google Form 內或印製紙本問卷供同學放學後或即時回應問題
5. 得分：
 - 科技大使匯報得 3 點，其餘每完成一份問題及回應表得 1 點
 - 每 5 點可額外為個人的設計與科技成績加 1 分，最高加 3 分
6. 方案規範：須具創新性及可行性，且在香港未算普及，但不要求套用高端科技

英華書院 以色列創科教育團2020 學校創科活動建議書

二、持分者列表

為使同學思考社會各類持分者的需要，從而經歷設計思維中的「同理心」，各班均將獲發主題持分者作方向指引。惟匯報的方案沒有任何限制，以確保同學能自由發揮創意與搜尋資料的技巧。

外賣速遞員	上班族	畏高人士	基層住戶	私家車使用者	學生
殘障人士	老年人	孕婦	重症病患	初生嬰兒的母親	醫生
憂鬱症患者	失明人士	色盲人士	自閉症兒童	小型商鋪店主	救護員

以下為持分者需求舉偶：

1. 外賣速遞員：雨天及交通擠塞問題
2. 基層住戶：居住環境欠佳、自主生產需求大、知識技能不足
3. 私家車使用者：泊車問題、交通擠塞問題
4. 殘障人士：行動不便、失去體育娛樂機會
5. 老年人：行動不便、記憶力減退、容易迷路
6. 色盲人士：嘈嘈街道難辨紅綠燈
7. 自閉症兒童：缺乏良好溝通技巧、不懂得與人接觸
8. 救護員：道路過於繁複未能及時趕往救人

Unluckily again !!!



<https://media.timeout.com/images/105622586/image.jpg>



https://img.i-scmp.com/cdn-cgi/image/fit=contain,width=1098,format=auto/sites/default/files/styles/1200x800/public/d8/images/methode/2020/03/19/dfaafc9e-69cf-11ea-9de8-4adc9756b5c3_image_hires_204759.JPG?itok=ZZTcZJlb&v=1584622089



MORALS * ACADEMIC EXCELLENCE * SELF DISCIPLINE * CHRISTIAN FAITH * GLOBAL VISION

進德修業 . 放眼世界 . 自愛自律 . 推己及人

YING WA COLLEGE

File No.: EN202115

1 December 2020

Arrangements in response to suspension of S1-S5 face-to-face classes

To: S1-S6 parents and students

From: Principal

In light of the worsening situation of the COVID-19 pandemic, the Education Bureau has announced that all secondary schools would suspend face-to-face classes and school activities starting from this Wednesday (December 2) until the beginning of school Christmas holidays (23 December 2020 – 2 January 2021). According to the guidelines of EDB and school-based needs, the school has decided that **S6 classes will continue with face-to-face lessons** while S1-S5 classes will switch to online lessons conducted through Webex (video-conferencing). Please refer to the following for more details:

1. S1-S5 online lessons

- a. All S1-S5 students are required to follow the school calendar and special timetable (re: EN192049/ EN192049A/ EN192050) to attend online lessons. Details of each class will be available via <http://cg.cc/ywc.edu.hk>

Life needs to be continue → School's preparation



Life needs to be continue → School's preparation



PSAD Platform

LOGIN WITH MICROSOFT

Life needs to be continue → School's preparation

Ying Wa PSDA Platform

psad.yingwa.edu.hk/display/side/left

S4T

2021-02-05

Students are in stress and sometimes with their emotional problems

1A-1 Student 1

東方醫學 + 科技

透過應用科技找出 / 幫助舒緩輕度情緒問題學童 結合東方醫學對於情緒病及身體的醫學知識，作出適切的治療方案 通用智能穿戴裝置及應用程式，廿四小時監察用家的身體狀況 有效地運用科技能更容易找出隱形情緒病患者 不擾亂用家是否患有情緒問題，以個人健康為出發點 透過「睡眠質素」、「飲食習慣」了解學童的情緒

0:12 / 2:45

YouTube

Ying Wa PSDA Platform

psad.yingwa.edu.hk/display/center

PSAD Platform

Issues

Sort By: date | Category: All

Search by title

推動「居家安老」概念

2021-02-05 | 0 | 0

Address the needs of SEN students, as well as their families, caregivers, teachers, classmates and other people surrounding them

2021-02-05 | 0 | 1

Students are in stress and sometimes with their emotional problems

2021-02-05 | 0 | 2

Flexible Chair arrangement for STEM Room

2021-02-04 | 0 | 1

BB 半夜踢被子

2021-02-04 | 0 | 1

Ying Wa PSDA Platform

psad.yingwa.edu.hk/display/side/right

53

2021-02-05

Address the needs of SEN students, as well as their families, caregivers, teachers, classmates and other people surrounding them

1A-1 Student 1

App Development : ECM To Be Confidence

The App consists of three subjects, i.e. Chinese, English and Mathematics. In each subject there will be two levels which consists of 10 questions. After the tests, parents can figure out if their children have any difficulties (Dyslexia) on different subjects. Hence, parents can seek help and solve the problems of their children immediately before it becomes too late

香港兒童

患有讀寫障礙的兒童

■ 患有讀寫障礙的兒童 ■ 正常兒童 ■ 輕微程度 ■ 中等程度 ■ 嚴重程度

