

# Head of School Coffee Morning

## Summer Update The Year Ahead @ ISF

Dr. Malcolm Pritchard – Head of School



7 September 2022



# ISF Gallery Project









































WONG TONG HO LIBRARY  
Wong Tong Ho Primary Library

PLEASE WEAR MASKS  
2

























← 400-877 Arts	→ 800-877 Drama
← 800-877 Fiction	→ 400-877 Non-Fiction









# Summer Activities





我寫給讀者的話：

我是來自弘立書院的  
潘柏熹，很高興你打開  
這本由我拍攝、創作的  
攝影集。我覺得拍照是  
一件神奇的事情，因為





北風吹累了，他對太陽說：

「你來試試吧！」

太陽從雲裏出來，溫和地照

光照在那個人身上，他走了一會

兒，覺得有點熱了，過不久，他

就開始流汗了，於是，他就把大

衣脫下來了。



922

























# Outdoor Exploration Society (OES)

































# Summer Programs & Activities: ELP, NRI, OES, ASM







# *Kluyvera* sp. CRP a Cellulolytic Isolate from Red Panda Faeces (*Ailurus fulgens*)

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The ISF Academy, Hong Kong \*Corresponding author: sgriffin@isf.edu.hk



## Greener biofuels

Biofuels generated from food sources may be 'carbon neutral' but they also have negative consequences for economies and the environment. In contrast, second-generation biofuels from lignocellulosic biomass, such as industrial, agricultural and municipal waste, are more sustainable but require pre-treatment in order to release fermentable sugars.

Biological pre-treatment with isolated enzymes or whole cells is cheap and energy-efficient, so that this project has looked for strongly cellulolytic bacteria in faeces of the Chinese red panda (*Ailurus fulgens*). This species uses bamboo as its major food source, and previous characterisation of its gut microbiota suggests extensive cellulose-degrading pathways [1].

## Method:

Red Panda faeces were collected from Ocean Park Hong Kong. 1 g fresh faeces was serial-diluted in 0.9% saline to 0.1% w/v and a 100 µL aliquot spread onto carboxymethylcellulose (CMC) agar and incubated at 27 °C for 48 hours. Isolate CRP grew well on CMC agar and was passaged to purity on Luria agar before DNA extraction (Invitrogen PureLink® Genomic DNA Mini Kit). Cellulolytic activity was checked by incubation on CMC agar followed by staining with Gram's iodine. The complete genome of CRP was generated by hybrid assembly of MiSeq (Illumina) short-reads and MinION long-reads (Oxford Nanopore) using Unicycler v0.4.3 [2]. The sequence was submitted to PATRIC [4] and to NCBI PGAP v5.0 [3] for annotation. GenBank accession no. CP082841.

The complete genomic sequence of CRP totals 5.36 Mbp and Mash/MinHash using PATRIC found it closest to *Kluyvera* genomsp. 3 strain PO257 (CP050321) with an average nucleotide identity of 98.83%.

Cellulolytic pathways are strongly represented with four copies of **beta-glucosidase**, 10 copies of **β-phospho-beta-glucosidase (cbpF/cbf)**, together with multiple copies of cellulose phosphoryltransferase and the **bcs operon**.

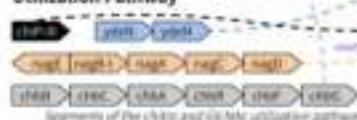
- Protein Arrestations
- CARD
- GC Skews
- GC Skew

CRP shows resistance to ampicillin consistent with the presence of a CTX-M-40 beta-lactamase.



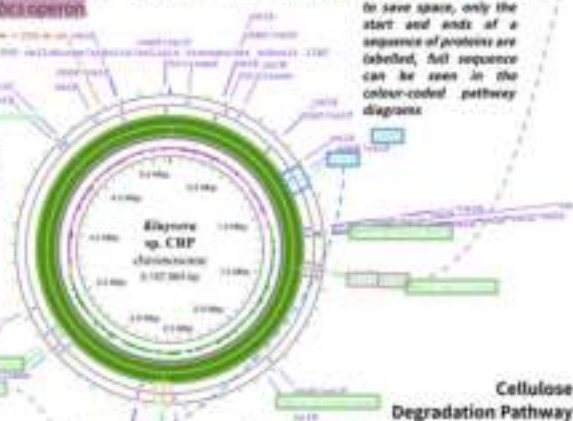
Disk diffusion assay of CRP on ampicillin

## Chitin and GlcNAc Utilization Pathway



A complete chitin and GlcNAc utilization pathway [5], including a **chb operon**, was identified around the genome. Compared to the pathway in [5], **chbF** and **chbE** are in opposite strands in the genome.

Locations of the start and end of each segment of the pathway are squared with respective color.



To save space, only the start and ends of a sequence of proteins are labelled, full sequence can be seen in the colour-coded pathway diagrams



A complete cellulose degradation pathway was identified in CRP. A **cellulase (bcs2)** in CRP sequence is nested within the **bcs operon**. Four copies of **beta-glucosidase** in CRP are spread around the genome and each have completely different sequences with no conserved regions. This suggests the four copies might come from different origins.



All four beta-glucosidase in CRP modeled by Phyre2 [7]

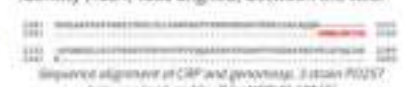
## Cellulose Biosynthesis operon



CRP on a CMC plate

A 9 enzyme long **bcs operon** [6] is present in the sequence. The presence of the **bcs** operon in CRP is consistent with activity shown on CMC agar plates.

Sequence alignment of the **bcs** operon present in genomsp. 3 strain PO257 showed a 99% identity (4534/4560 aligned) between the two.



The most significant discrepancy is a gap of 10 acids at the start of **bcsB** in CRP, compared to genomsp. 3 strain PO257.



Protein structure modeled by Phyre2 [7] shows no significant difference in structure between the two proteins.

## Conclusion:

*Kluyvera* sp. CRP shows strong activity with chitin and cellulose. Genomic analysis shows prominent chitin and cellulolytic pathways. These could give CRP an advantage in breaking down lignocellulosic waste.

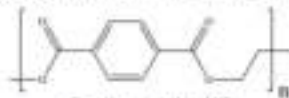
Relevances and supplementary info can be found at: [bit.ly/3z24H8H](http://bit.ly/3z24H8H)  
This work was funded under the ISF Shuyuan research program.





## Introduction

**Polyethylene terephthalate (PET)** is a sophisticated and stiff plastic with a stable aromatic ring (Fig. 1). With its high tensile strength, PET is now the main ingredient for 60% of plastic for plastic bottles [1] and spun into fabric for polyester-based clothing worldwide, constituting to 42 million tons of microplastic waste per year [2]. In this investigation, aromatic substrates (toluene, sodium benzoate, benzyl benzoate and a suspension of PET microfibrils in hexafluoro-2-propanol) were used as carbon sources to screen for polyester-degrading microbes.



## Methods

Samples of PET fabric were buried in soil for three months (Fig. 2). After recovery, the fabric was rinsed with 0.9% w/v saline and an aliquot of each extract incubated in minimal medium (at 27 °C with shaking) with 10% v/v toluene as the sole carbon source (Fig. 3). After 7-10 days, viable bacteria (determined by streaking on Luria agar) were transferred to a minimal medium containing 5% w/v sodium benzoate (Fig. 4). Isolates with greatest turbidity were streaked to purity on Luria agar. PET-degrading activity was tested by growth on agar made with Zhang's medium [3] to which a thin layer of PET fibres dissolved in hexafluoro-2-propanol had been applied (Fig. 5). DNA was extracted from two selected isolates using a DNeasy PowerSoil Kit (Qiagen) [4] and sequenced via both Illumina MiSeq [5] and Oxford Nanopore Minion platforms [6] to generate complete genomes by hybrid assembly (Unicycler v0.4.3) [7]. PATRIC [8], NCBI BLAST [9], Phyre2 [10] and Clustal Omega [11] were used for comparative genomic analysis.



Fig. 2. Burial site of polyester



Fig. 3. Turbid culture solution



Fig. 4. Turbid sodium benzoate solution



Fig. 5. Samples on Zhang's medium plate

## Two *Pseudomonads* show potential for PET degradation

Sample ID	LS_1a	LS_1c
Estimated genome size	9.75 Mbp	6.25 Mbp
% G+C	63.06%	64.46%
Source	soil/leaf litter	soil/leaf litter
GenBank accession	<i>Pseudomonas</i> sp. LS_1a CP092827	<i>Pseudomonas</i> <i>arumugosa</i> LS_1c: CP092634
Closest genome Source ANI	<ul style="list-style-type: none"><li><i>Pseudomonas</i> sp. 432021</li><li><i>Oryza sativa</i> ssp. <i>japonica</i> rhizosphere (Italy)</li></ul> ANI: 99.41	<ul style="list-style-type: none"><li><i>Pseudomonas</i> <i>seruginosa</i> AZP613026</li><li>clinical UTI (Colombia)</li></ul> ANI: 99.99
Key genes for aromatic degradation	<ul style="list-style-type: none"><li>Toluene tolerance proteins</li><li>Xylene and sodium benzoate degradation pathway</li><li>benzoate transport proteins</li><li>benABC operon</li><li>ampB-P operon</li><li>Five copies of catechol-1,2-dioxygenase</li></ul>	<ul style="list-style-type: none"><li>Toluene tolerance proteins</li><li>Xylene and sodium benzoate degradation pathway</li><li>benzoate transport proteins</li><li>benABC operon</li></ul>

Table 1. Details of isolates LS\_1a and LS\_1c.

## Similarities with arylsterase

Both isolates possess an arylsterase similar to the PET-degrading enzyme reported by Haerivald *et al.* with the potential to degrade PET through enzymatic hydrolysis [12]. Protein structures found by Phyre2 (Fig. 6, 7, 8) showed similarities in the tertiary structure of enzymes, showing a potential relationship between arylsterase and both isolates.



Fig. 6. Sample LS\_1a arylsterase structure



Fig. 7. Sample LS\_1c arylsterase structure



Fig. 8. Arylsterase structure from *Pseudomonas arumugosa*

## Comparing LS\_1a with *Ileonefla sakaiensis* ISF6\_4831

Enzymes of the well-known PET-degrading pathway of *Ileonefla sakaiensis* ISF6\_4831, reported by Yoshida *et al.* [13], share some homology with proteins in LS\_1a:

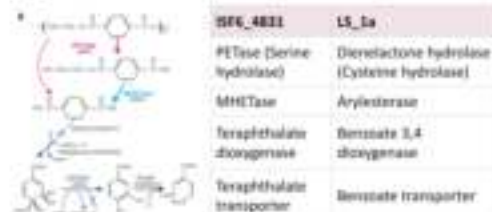


Fig. 9. Enzymes in LS\_1a share some homology with those of the PET-degradation pathway of *Ileonefla sakaiensis* (Yoshida *et al.*, 2014)

Although LS\_1a can make use of PET to survive, its rate of PET degradation is very slow. Similarities in the enzymes (Fig. 9) of LS\_1a and ISF6\_4831, however, support the idea that a range of microbes might be actively evolving to make use of the increasingly abundant sources of environmental PET [14].

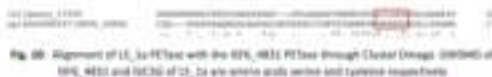


Fig. 10. Alignment of LS\_1a PETase with the 4831 PETase through Clustal Omega (downloaded from ISF\_4831 and NCBI of LS\_1a via whole-genome screen and cysteine sequencing)

## Further investigations of LS\_1a

It is significant that LS\_1a seems to be more effective than the other isolates in functional tests. Therefore, the next step in investigating the potential of PET degradation in LS\_1a is to clone the relevant genes into *E. coli* to verify their activities. Additionally, a later step would be to look further at mutations (particularly within the LS\_1a cysteine hydrolase) to see if PET-degrading activities can be enhanced.

## Acknowledgements:

This work is funded under the ISF Shuyuan Research Program.

Scan QR code

for references and supplementary data.



# Isolation and characterisation of copper-resistant microbes from a disused mine in Hong Kong

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The ISF Academy, Hong Kong \*Corresponding author: kmleung@hkust.edu.hk

Two isolates from sediment samples recovered from a disused tungsten mine in Hong Kong showed remarkable levels of copper tolerance and Cu(II) reduction. *Serratia ureilytica* EI, in particular, shows levels of growth in 80 mM Cu<sup>2+</sup> only 20% less than control.

## Methods

18 sediment samples were collected at different locations in and around the Needle Hill mine (22.567289°N 114.160496°E). Their metal content were determined by ICP-OES. 10 colonies from each plate were screened with 0.5 M CuSO<sub>4</sub>, 0.5 M Pb(NO<sub>3</sub>)<sub>2</sub> and 0.1 M AgNO<sub>3</sub> by disc diffusion. Isolates demonstrating the greatest metal resistance were passaged to purity before DNA extraction (Qiagen DNeasy PowerSoil Pro kit) followed by sequencing via the Illumina MiSeq platform. Comprehensive genome analysis by PATRIC 3.6.12 [1] was used to assemble and analyse the data. Identified metal tolerance genes and proteins were investigated using UniProt [2], NCBI BLAST [3] and Clustal Omega [4]. Phylogenetic trees were generated with AutoCLUST [5] and PATRIC [1]. Isolates were exposed to 25 mM to 100 mM of CuSO<sub>4</sub> and Cu(II) tartrate to study the level of resistance the genes and pathways provided on both Luria agar and Luria broth.

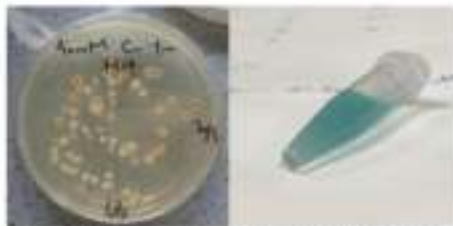


Fig. 4. EI and M14 inducing copper on agar plate and Luria broth by M14 (left) and EI (right) respectively.

## Results

Isolates EI and M14 showed the highest level of tolerance to Cu<sup>2+</sup>, Ag<sup>+</sup> and Pb<sup>2+</sup> in culture. They were revealed by BLAST to be strains of *Serratia ureilytica* (EI) and *Pseudomonas putida* (M14), with approx. genome sizes of 5.8mbp and 5.9 Mbp respectively.

Results from NCBI BLAST revealed extensive copper homeostasis genes and pathways. Both isolates contain Cop, Cpa, Cus and the Cus pathway, but EI carries an extra Sca (suppressor for copper sensitivity) pathway. Both isolates carry cupric reductase genes.

EI and M14 were able to grow on agar infused with up to 80 mM CuSO<sub>4</sub> and Cu(II) tartrate. Cu(II) tartrate was more easily tolerated, with EI and M14 producing 30% and 38% of their control level growth in the presence of an 80 mM infusion. A red-brown precipitate - indicating Cu<sup>2+</sup> reduction - was given when EI was incubated in Luria broth containing up to 100 mM Cu(II) tartrate.

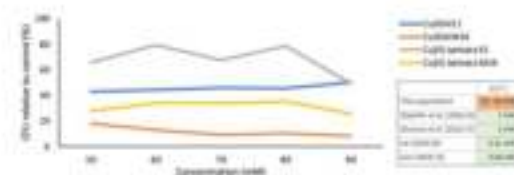


Fig. 5. Percentage difference of the number of colonies of EI and M14 after exposure to Cu(II) or Cu(II) tartrate on Luria agar plates. The survival rate of the lines were reduced after exposure to Cu<sup>2+</sup> ions. The table showed the comparative used in other exposure experiments.



Fig. 3. Phylogenetic trees of the *S. ureilytica* EI (left) and *P. putida* M14 (right) isolates.

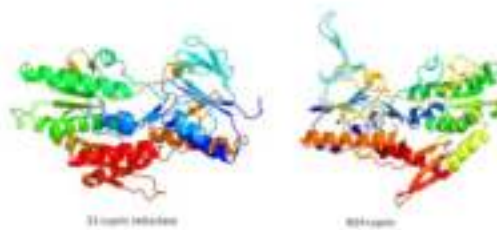


Fig. 4. Predicted structure of cupric reductase in EI (left) and M14 (right).

## Conclusion

*Serratia ureilytica* strain EI and *Pseudomonas putida* strain M14 appear able to survive under heavy copper stress, with EI showing a higher level of copper tolerance under the same conditions. While this may be consistent with the additional Sca pathway carried by EI, the strong reductive activity is also significant.

The ability to tolerate high concentrations of Cu<sup>2+</sup> and to reduce the ions to metals may suggest a role for EI in copper bio-remediation and bio-mining and this will be the focus of our ongoing work with these isolates. Further studies will also try to further elucidate the major mechanisms operated by EI in order to understand its notably greater level of tolerance.

References and supplementary materials can be found at [shorturl.at/mux86](https://shorturl.at/mux86)



## Acknowledgements

This work is funded under the ISF Shiyuan Research Program.

# Academic Update 2021-2022



# MYP Results 2022

- Passing rate: 100% (world: 83.3%\*)
- Average score per student: 46 out of 56 (world: 37.7\*)
- Average subject score: 5.8 out of 7 (world: 4.8\*)
- Students receiving bilingual certificate: 73% (world: 35.1%\*)
- Highest score in the cohort: 54 out of 56

\* World figures taken from the Statistical Bulletin for 2021



# Class of 2022 IB Diploma Results

- Average score: 41 (out of 45) (world: 32\*)
- Students receiving the IB Diploma: 100 % (world: 85.9%)
- Students receiving bilingual Diploma: 78% (world: 28%)
- Students scoring  $\geq 30$  points: 100% (world: 66%)
- Students scoring  $\geq 40$  points: 73% (world: 14%)
- Students scoring  $\geq 43$  points: 35% (world: 5%)
- Average subject score: 6.4 (out of 7)
- Average core points score: 2.6

\* World figures taken from the provisional Statistical Bulletin for 2022





# Class of 2022 Constellation of Success 2022年畢業班大學錄取榜





# Class 2022: Key Analytical Data points

Total no. of offers

442

31  
Scholarships

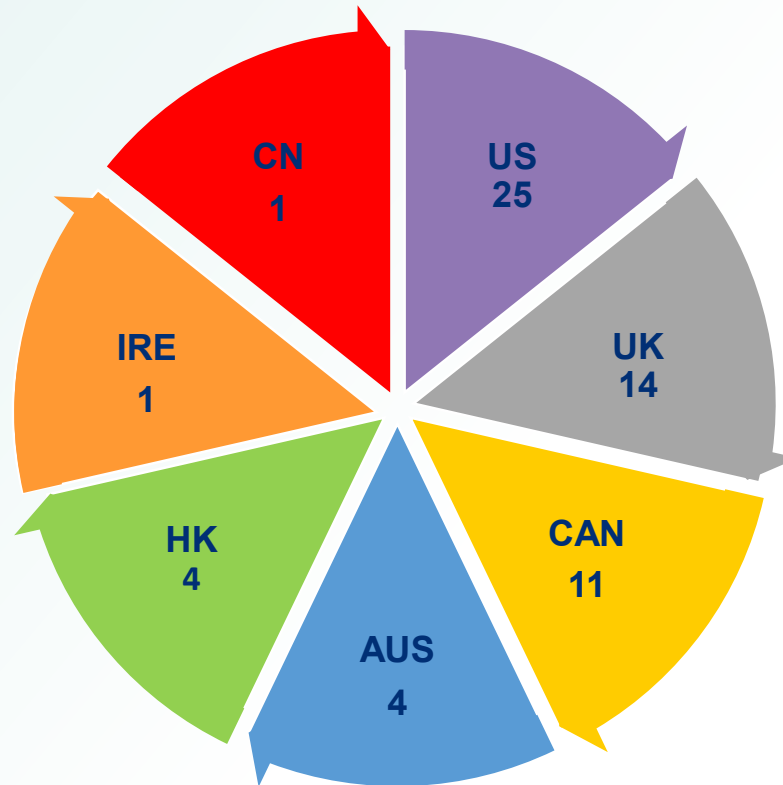
USD 1,144,100  
CAD 450,500  
HKD 720,500  
GBP 9,425

% of students into their first-choice  
university (\*Domestic applicants to  
Australia not included)

96.6%



# Class of 2022: Final Destination Country (as of 05 August 2022)



# **Learning Analytics System**

Using data for understanding

# LAS Objective

Leverage the extensive body of data and information generated and collected for, on, and by students to understand their growth, development, and individual needs and to use this to inform actions.

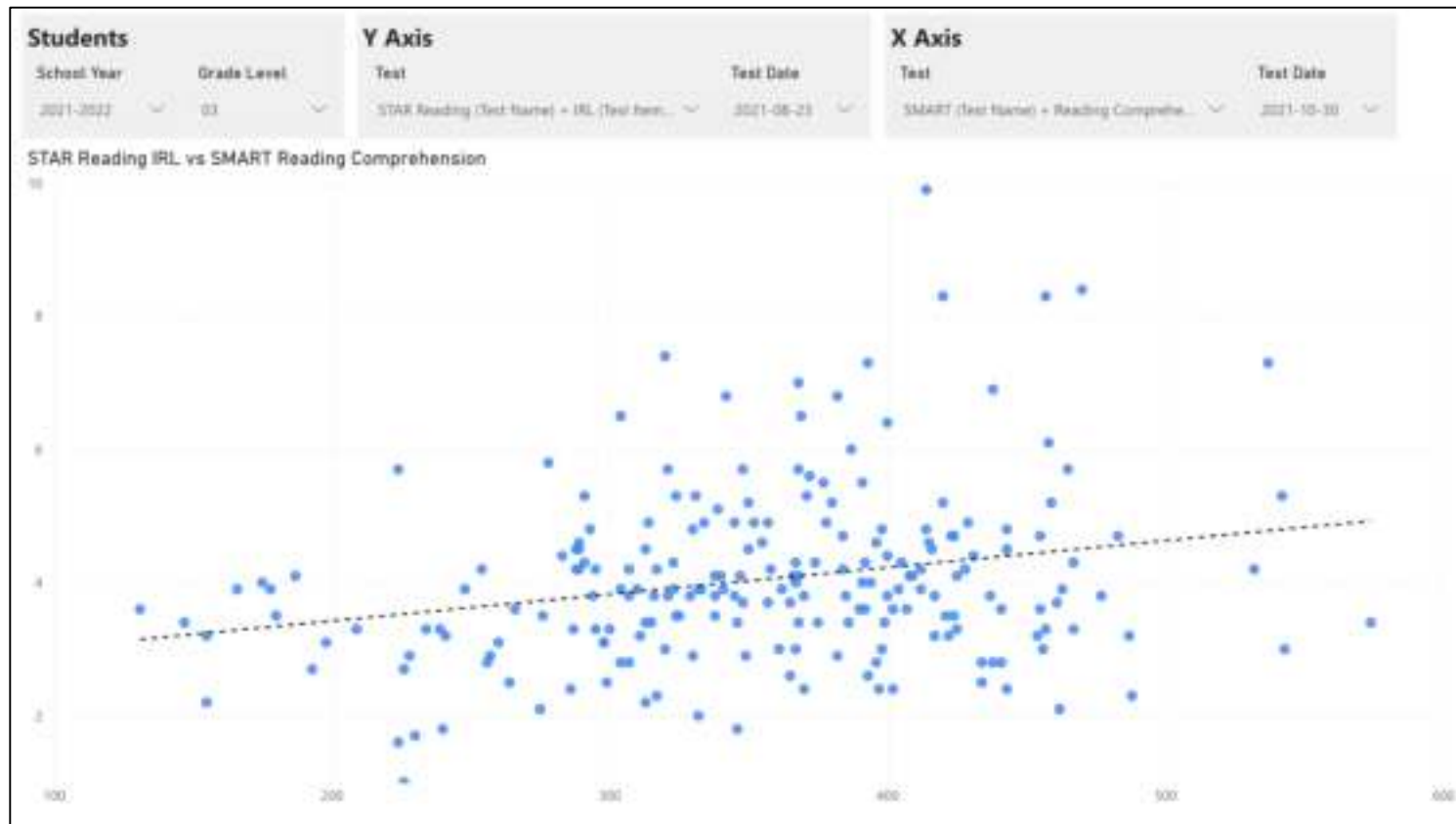
This tool is in development, and with input from stakeholders, it will be utilized to support our school's growth.

# Live Interactive Tool





# External Data



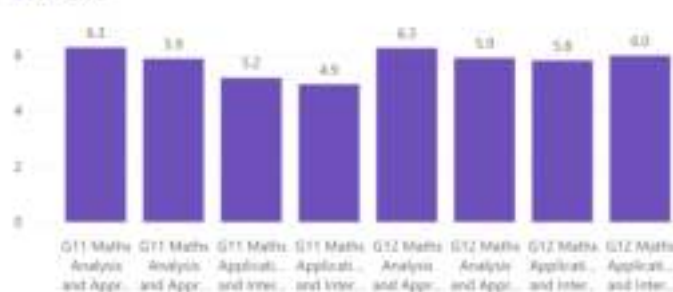
# Subject Area & Year Level Information

2014-2015 2015-2016 2016-2017 2017-2018 2018-2019 2019-2020 2020-2021 **2021-2022** 2022-2023

41 42 11 12

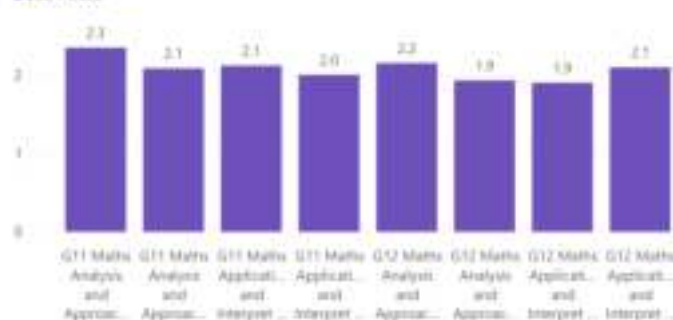
Average OA by Course Name and School Year

● 2021-2022

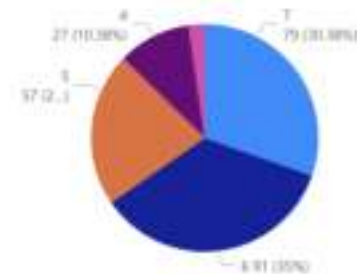


Average CTL by Course Name and School Year

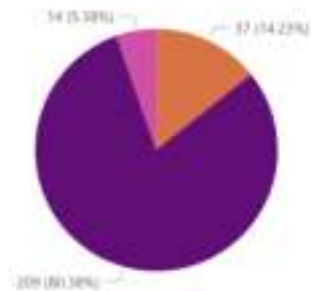
● 2021-2022



OA Breakdown



CTL Breakdown



Subject

- (Blank)
- Biology
- Business and Management
- Chemistry
- Chinese B
- Chinese Language and Literature
- Chinese Literature
- Computer Science
- Design Technology
- Economics
- English B
- English Language and Literature
- English Literature
- Environmental Systems and Societ...
- Geography
- Global Politics
- History
- Labi
- Mathematical Studies
- Mathematics
- Music
- Physics
- Psychology
- Theatre
- TOK
- Visual Arts





**Applied Life Skills**  
應用生活技能



**Creative Arts**  
創意藝術



**Nurturing Health and Resilience**  
培育健康與抗逆能力



**Empowering Global Stewardship**  
有能力成為地球護育者



**Exploring History, Language and Culture**  
歷史、語言及文化探索



**Science, Technology, Engineering and Mathematics (STEM)**  
數理科工 (STEM)

# Hao Xue Courses 2022-23

金庸作品及影視劇賞析

Playwriting - ScriptLab

Making Theatre

Ceramics

華語歌曲歌詞賞析課程

中國藝術與文化

Fashion

Vocal

Piano

Chinese crosstalk 相聲趣多多

From Pen to Print: Creative Writing Workshop for Beginners

思辨萬花筒

Physical Geography & Environmental Management

Film and Literature

Introduction to Spanish

Pop Lit:

Competitive swimming

Squash

Digital Design Pro

Global Politics

Film vs. Novel: What Makes Them Different?

The Beauty of Mathematics

Experimental Portrait Painting

中醫小學堂 Chinese Medicine

普通話播音主持 Putonghua Broadcast Hosting

Marketing and Advertising

Digital Art and Design

Film & Filmmaking

日劇教我們的事

Makerspace

Digital Art and Graphic Design

An Introduction on Guangdong Mahjong

Global Challenges

Exploration of Environmental Science Topics

Home Science

Metallic Jewelry Masterclass

Our Universe: Science, History, and the Way Forward

Enriching Hearts and Minds

The Art of Graphic Novels

Underwater Robotics

中國女紅傳承

Service Learning

Jazz / Popular Music / improvisation Workshop

Wind Ensemble

One Act Play Production.

戲劇人生

Glass enameling

Write perform a pantomime

Project Journeys

Hands-on Photography!

iLEAD / AYP Silver Expedition Course

Living Seas

故事新編：基於經典的創意寫作

中華文化學會（高級）：宋元明清的藝術、生活與科技

中華文化學會（中級）：魏晉隋唐的藝術、生活與科技

中華文化學會（初級）：先秦兩漢的藝術、生活與科技

閱讀與藝術創作（和諧粉彩）

Reading and artistic creation(Pastel Nagomi Art)

The House Science

Chinese Fashion of Life 中式生活時尚

Basketball; Netball; Squash; Swimming

Aesthetics and Design in Film

Sports Leaders

思辨萬花筒

Marketing Ideas

Movie and Literature電影與文學

Theatre

Global issues: discussing the world around me

Makerspace HX

Theatrical Stagecraft

Athens vs. Sparta

Science Fiction Publishing and Editorial

Ancient Greek Mythology

Student-athlete; Netball

Student-athlete; Basketball

String ensemble

Starting a Business (Group 1)

Starting a business (Group 2)

# School Operations

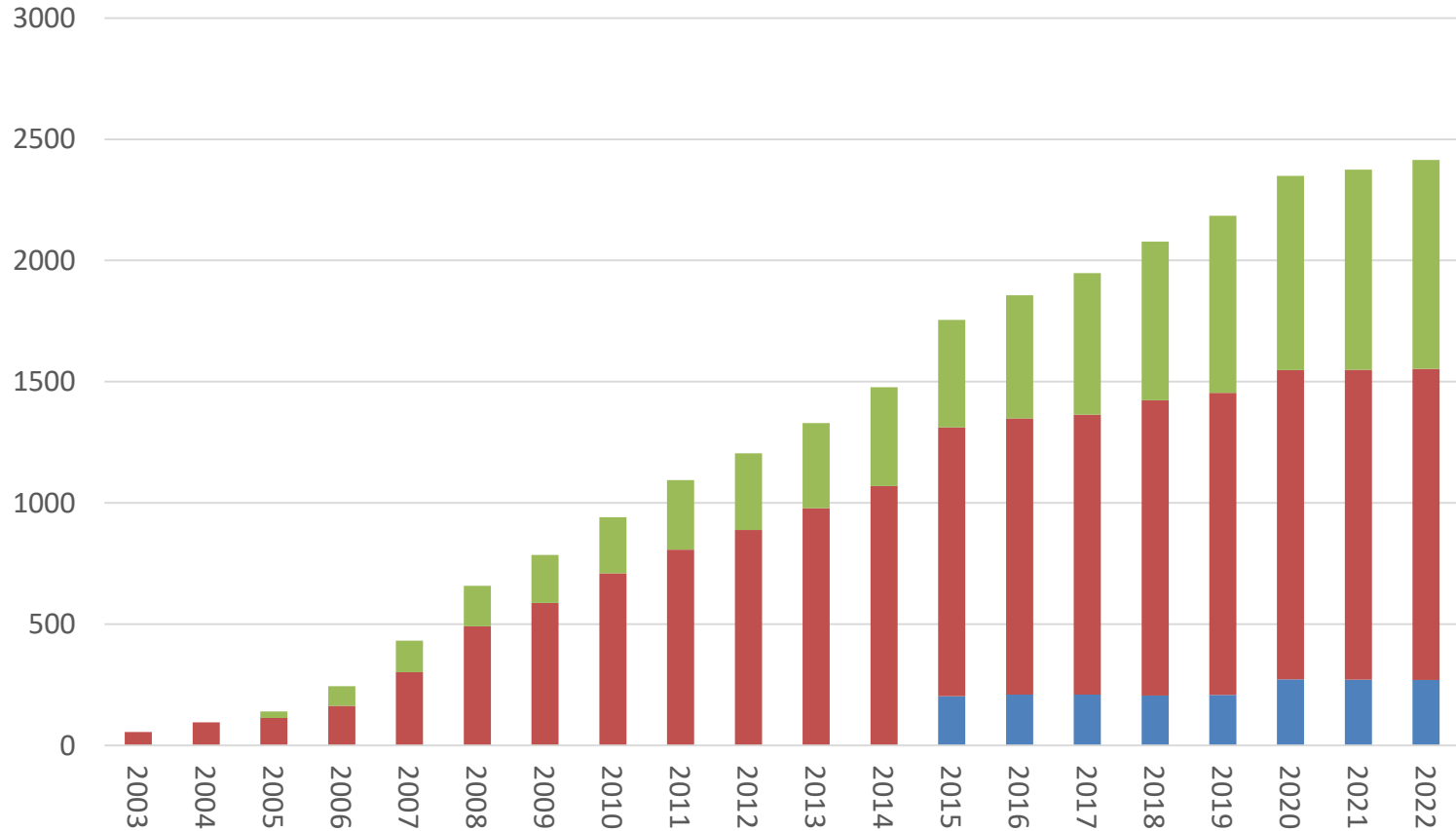


# Enrolments: Academy

Academic Year	Primary	Secondary	Total
<b>2022/23</b>	<b>1,283</b>	<b>862</b>	<b>2,145</b>
2021/22	1,277	826	2,103
2020/21	1,275	801	2,076
2019/20	1,245	731	1,976
2018/19	1,215	655	1,870
2017/18	1,154	584	1,738
2016/17	1,138	512	1,650
2015/16	1,100	444	1,544
2014/15	1,063	413	1,476
2013/14	960	347	1,307
2012/13	884	314	1,198
2011/12	808	289	1,097
2010/11	705	226	931

As of Aug 1, 2022

# ISF Enrolments : 2003-2022



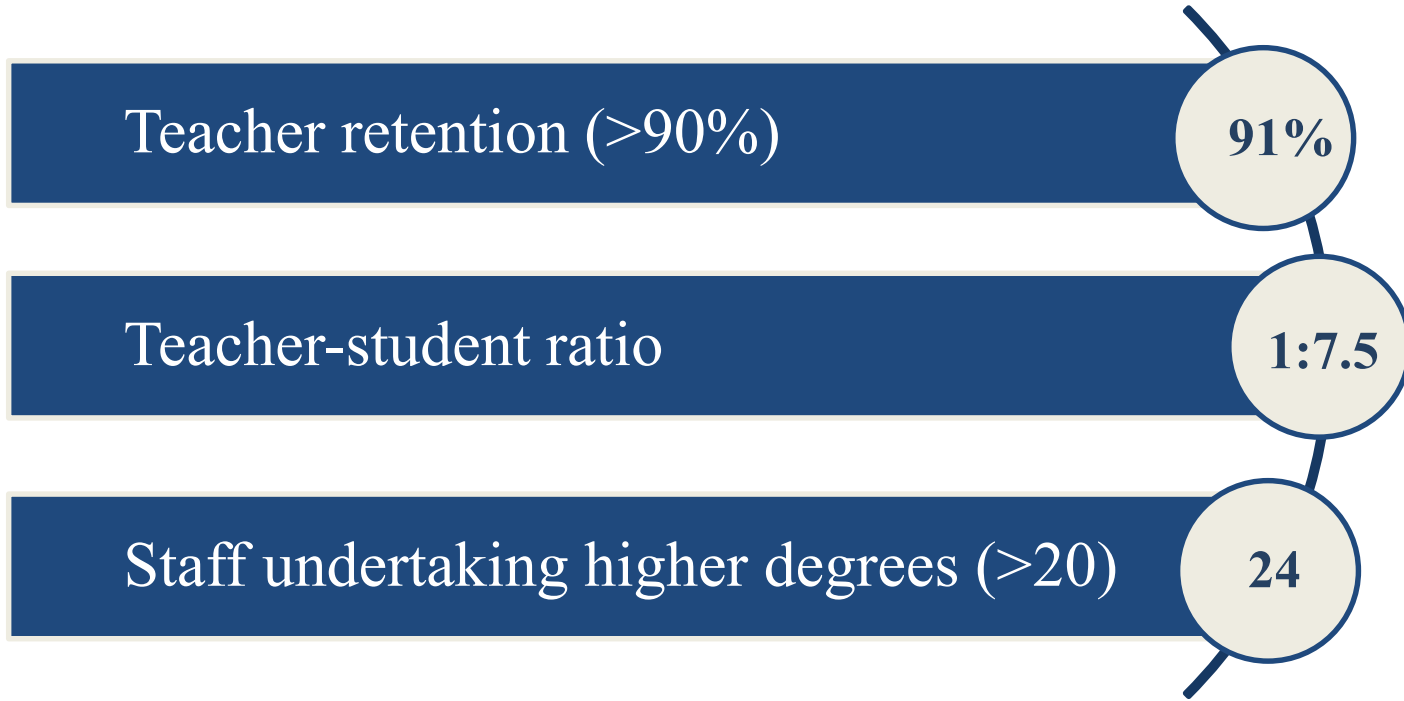
As of Aug 1, 2022

■ Pre-School

■ Primary

■ Secondary

# Major Objectives: Human Resources





No Stopping 切勿停留  
No Parking 不准泊車  
No Right-Hand Turns 不准右轉

No Parking at Primary Gate  
小學閘門前不准泊車







The Government of  
the Hong Kong Special Administrative Region

**同心抗疫** *Together,  
We Fight the Virus!*

[Local Situation Dashboard](#) | [Latest News](#) | [News Videos](#) | [What is COVID-19](#) | [Clarifications](#) | [Useful Information](#) |  
[Updates on Infection Situation](#) | [Health Tips](#) | [Resource Centre](#) | [Community Involvement](#)

[Latest Epidemic Situation of 5<sup>th</sup> Wave](#)

[Analysis on Death Cases](#)

[हिन्दी](#) | [नेपा ली](#) | [اردو](#) | [ไทย](#) | [Bahasa Indonesia](#) | [Tagalog](#) | [සිංහල](#) | [বাংলা ভাষা](#) | [Tiếng Việt](#)

[繁](#) [簡](#) Text Size



# 2019冠狀病毒病第5波數據

(2021年12月31日至2022年9月5日00:00)

Statistics on 5<sup>th</sup> Wave of COVID-19 (from 31 Dec 2021 up till 5 Sep 2022 00:00)



截至2022年9月5日 00:00 統計數字

Statistics are compiled based on data up to 5 Sep 2022 00:00

資料來源：衛生署衛生防護中心和醫院管理局

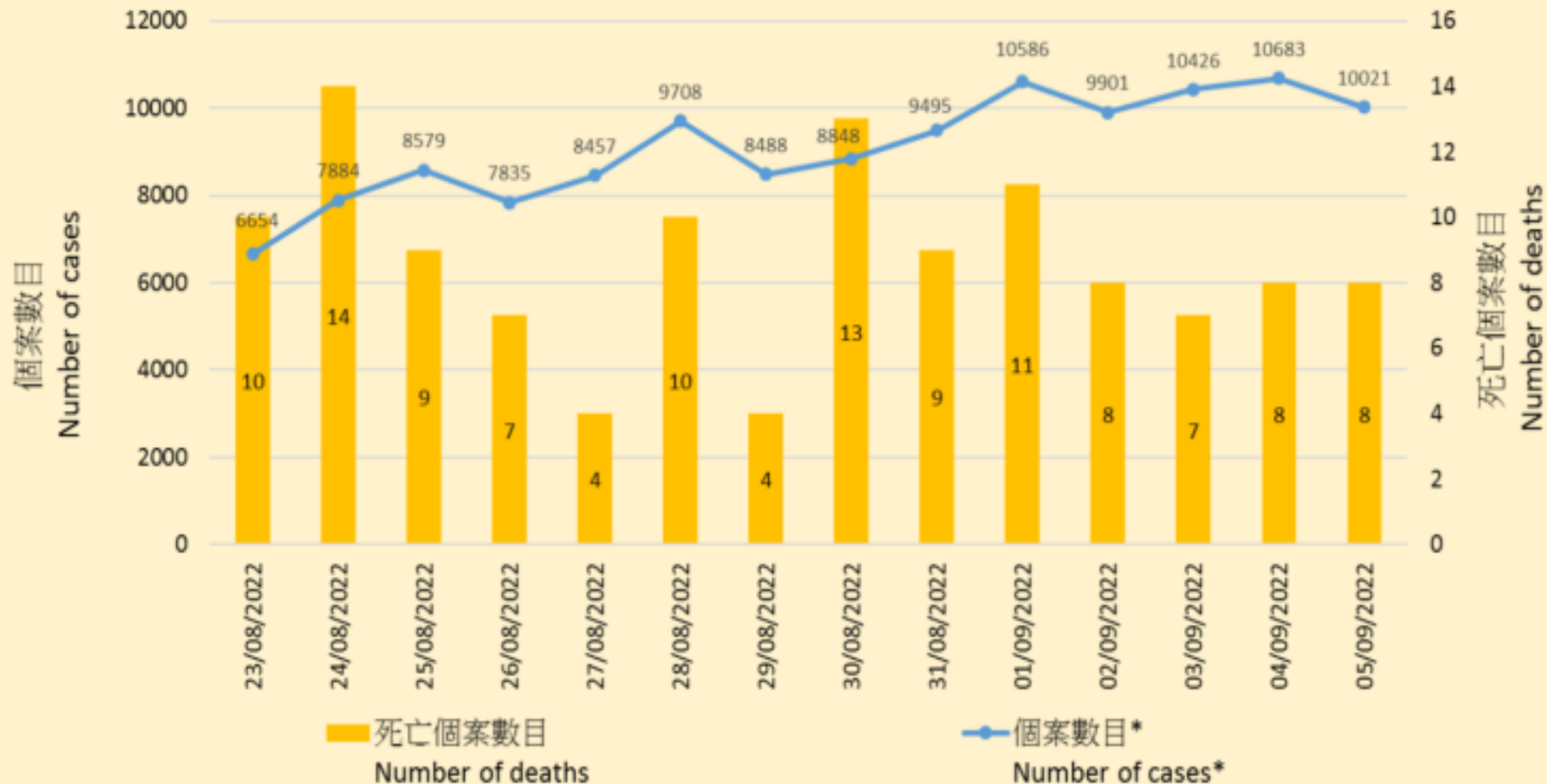
Source: Centre for Health Protection of the Department of Health; and the Hospital Authority

於過去24小時新增的本地感染／輸入個案數目 <sup>a</sup> Number of additional locally acquired / imported cases in the past 24 hours <sup>a</sup>	9,869 / 152
• 經核酸檢測／快速抗原測試的本地個案 Local by nucleic acid tests / rapid antigen tests	2,682 / 7,187
• 經核酸檢測／快速抗原測試的輸入個案 Imported by nucleic acid tests / rapid antigen tests	134 / 18
於過去24小時新呈報之死亡個案數目 <sup>b</sup> Number of deaths newly reported in last 24 hours <sup>b</sup>	8
目前住院個案數目 <sup>c</sup> Current number of hospitalised cases <sup>c</sup>	2,915
目前於深切治療部情況危殆的個案數目 <sup>d</sup> Current number hospitalised in ICU with critical condition <sup>d</sup>	16
累計呈報個案數目（經核酸檢測／快速抗原測試） Cumulative number of reported cases (by nucleic acid tests / rapid antigen tests)	890,250 / 689,539
累計死亡個案數目 <sup>e</sup> Cumulative number of deaths <sup>e</sup>	9,519
在香港接種第一針的人口 <sup>f, g</sup> Population with 1 <sup>st</sup> vaccine dose taken in Hong Kong <sup>f, g</sup>	6,823,209
在香港接種第二針的人口 <sup>f, g</sup> Population with 2 <sup>nd</sup> vaccine dose taken in Hong Kong <sup>f, g</sup>	6,605,497
在香港接種第三針的人口 <sup>f, g</sup> Population with 3 <sup>rd</sup> vaccine dose taken in Hong Kong <sup>f, g</sup>	5,008,700
在香港接種第四針的人口 <sup>f</sup> Population with 4 <sup>th</sup> vaccine dose taken in Hong Kong <sup>f</sup>	342,650



[https://www.covidvaccine.gov.hk/pdf/5th\\_wave\\_statistics.pdf](https://www.covidvaccine.gov.hk/pdf/5th_wave_statistics.pdf)

# Number of COVID-19 cases and deaths over the past 14 days



3 Doses  
1/10/22



# CHP Matters

- Daily temperature check:  $<37.5$
- Daily Rapid Antigen Test: NEGATIVE or POSITIVE
- Observe health of child: unwell, sore throat, cough?
- If in doubt, call a doctor!
- RATs at school: nurse to administer if needed
- Cleaning protocols: FM and Waihong
- CHP protocols on closure: class, grade, division: 5% of school or 10% of class



# Reporting RAT Results

- Report results by 7:30
- ISF report submitted to CHP by 10:00
- Legal responsibility rests with parent
- CHP advice always followed on isolation matters
- CHP may report class suspensions to media



## Daily Reporting of New COVID-19 Cases at School

Start Now



Daily Reporting of New  
COVID-19 Cases at School



Line Listing



Submission

### Daily Reporting of New COVID-19 Cases at School

\* Questions that are required to be answered

 Save for Later

Please refer to EDB School Lists by District for all school details.

[CLICK HERE](#) to access EDB School Lists by District 

School No. \*

School Name \*

↓ 3

Today's Warning

Learn More

Link & Resources

Current Weather

Update at 09:40

HIKO

↓ 25°C ↑ 29°C

25.7°C

94%

King's Park  
UV Index 2 (Low)



Innovate with Science,  
Serve with Heart

### Tropical Cyclone Warning

Updated at 09:45

[TC Movements](#)

[Latest TC News](#)

With Ma-on moving away from Hong Kong, the prevailing local winds will gradually weaken. Depending on the degree of weakening of local winds, the Observatory will consider issuing the Standby Signal, No. 1, or cancelling all tropical cyclone warning signals.

There will still be occasional gale force winds offshore and on high ground over the southwestern part of the territory at first. Seas will be rough with swells. Members of the public are advised to stay away from the shoreline, and not to engage in water sports.

In the past hour, the maximum sustained winds recorded at Cheung Chau, Green Island and Waglan Island were 73, 65 and 64 kilometres per hour with maximum gusts 85, 81 and 85 kilometres per hour respectively.



# Tropical cyclone track information - GIS version

Tropical Cyclone: MA-ON 

Potential Track Area

Forecast Time Label

Satellite Image

Radar Image



**Name:** Severe Tropical Storm MA-ON

**Date:** 25 Aug 2022

**Time:** 09 HKT

**Position:** 21.1 N, 111.8 E (about 280 km west-southwest of Hong Kong)

**Maximum sustained wind near centre:** 110 km/h

Ma-on will move in the general direction of the coast of western Guangdong today.



**EDB**



## Special Announcement

Thursday, August 25, 2022 09:20

### **Facilitation for Hong Kong students studying in Mainland higher education institutions in entering the Mainland**

Hong Kong students who intend to enter the Mainland in August and September 2022 and need assistance from the HKSAR Government may **[click here](#)** to access the electronic form.

Note: the electronic form is in Chinese only. Please send us an email to [nbs@edb.gov.hk](mailto:nbs@edb.gov.hk) if you need special assistance.




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Classes of kindergartens, schools for children with physical disability and schools for children with intellectual disability, AM and whole-day schools will remain suspended today. Classes of PM primary and secondary schools and classes of evening schools will resume today.

## Online Learning Arrangements during School Closure

Activation	Pre-School	Primary School	Secondary School
Day 1	Optional independent learning activities in both languages will be posted on Moodle. No Google Meet lessons	Modified timetable will be offered however optional attendance for students. School Office will notify parents/students through email to check Google Calendar	The normal timetable will be followed and lessons will be taught online. Student attendance is mandatory
Day 2	Follow the online learning schedule on meet.google.com for <b>optional</b> Google Meet lessons. Lessons will not be assessment-based. Student accounts should be used to access Google Meet lessons	Modified timetable will be offered and student attendance is mandatory	
Day 3 onwards	Full online learning provision where attendance is mandatory and taken		

<p>Typhoon Signal No. 1</p> <p><b>T1</b></p>	<p>School operates as normal, unless advised otherwise by the EDB</p>		
<p>Typhoon Signal No. 3</p> <p><b>⊥3</b></p>	<p><b>Pre-School &amp; Foundation Year:</b> Face-to-face classes will be suspended</p> <p><b>Grade 1-12:</b> Classes will continue as normal</p>	<p>School operates as normal, unless advised otherwise by the EDB</p>	<p><b>Pre-School &amp; Foundation Year:</b> CCA program will be canceled</p> <p><b>Grade 1-12:</b> CCA program will continue as normal</p>
<p>Typhoon Signal No. 8 or above</p> <p><b>▲8 ▼8</b> NE 東北 SE 東南</p> <p><b>▲8 ▼8</b> NW 西北 SW 西南</p> <p><b>⊗9 ⊕10</b></p>	<p>All face-to-face classes are suspended. Students should remain at home for online learning</p>	<p>All face-to-face classes are suspended. Students going home by school bus are dismissed as soon as the buses become available. Other students should be picked up by their parents/guardians at the normal meeting place as soon as possible</p>	<p>CCA program will be canceled</p>

Warning Status	Before School	During School	CCA
<p data-bbox="54 157 488 194">Amber Rainstorm Signal</p>  <p data-bbox="170 351 382 412">Amber 黃</p>	<p data-bbox="633 270 1773 307">School operates as normal, unless advised otherwise by the EDB</p>		
<p data-bbox="79 430 465 467">Red Rainstorm Signal</p>  <p data-bbox="193 624 386 696">Red 紅</p>	<p data-bbox="529 587 900 849">All face-to-face classes are suspended. Students should remain at home for online learning</p>	<p data-bbox="942 449 1371 984">Students should remain in school until the end of school hours and return home when conditions are safe for them to do so. Parents do not need to pick up their child immediately. School bus service will resume when signals are lowered and road conditions are safe</p>	<p data-bbox="1464 679 1831 755">CCA program will be canceled</p>
<p data-bbox="67 714 477 751">Black Rainstorm Signal</p>  <p data-bbox="158 919 396 1002">Black 黑</p>			



**EDB**

# *Suspending Classes without Suspending Learning*



<https://www.edb.gov.hk/tc/about-edb/press/insiderperspective/insiderperspective20200212.html>



“Class suspension does not mean extended school holiday. Students should make good use of their time and keep learning to achieve "suspending classes without suspending learning" ”

Mr. Kevin Yeung  
Secretary for Education



# The Year Ahead: 2022-23





# September

- Back to School events: 1, 2, 8 September
- Coffee Mornings (HOS, Primary, Secondary)
- Mid-Autumn Festival: 12 September

# October

- National Day Holiday/Mid-Term Break: 1-4 October
- Tri-conferences
- ELP1 (Secondary)
- Coffee Mornings (HOS, Primary, Secondary)

# November

- ELP1 (Primary G4-5)
- Jam 2022
- Professional Development Day
- Report 1 (Primary)

# December

- ISF Book Fair
- Winter Celebrations
- American Geophysical Union
- Winter Break: 19 December – 2 January

# January

- Semester 2 commences: 3 January
- CCA Session 2 starts: 3 January (Secondary/*Shuyuan*); 9 January (Other)
- Lunar New Year Break: 16-27 January
- Teacher recruitment (whole school)
- University and college visits

# February

- Teacher recruitment (whole school)
- University and college visits
- G12 Parent-Teacher-Student Conferences

# March

- Coffee Mornings (HOS, Primary, Secondary)
- Report 2 (Primary)
- G6-10 Parent-Teacher-Student Conferences
- Student-led Conferences (Primary)

# April

- Easter/Spring Break: 3-10 April
- Coffee Morning
- CIS/WASC Preparatory Evaluation

# May

- IB Diploma Examinations
- MYP eAssessment
- ELP 2 (Primary)
- G11 Parent-Teacher-Student Conferences
- Professional Development Day

# June

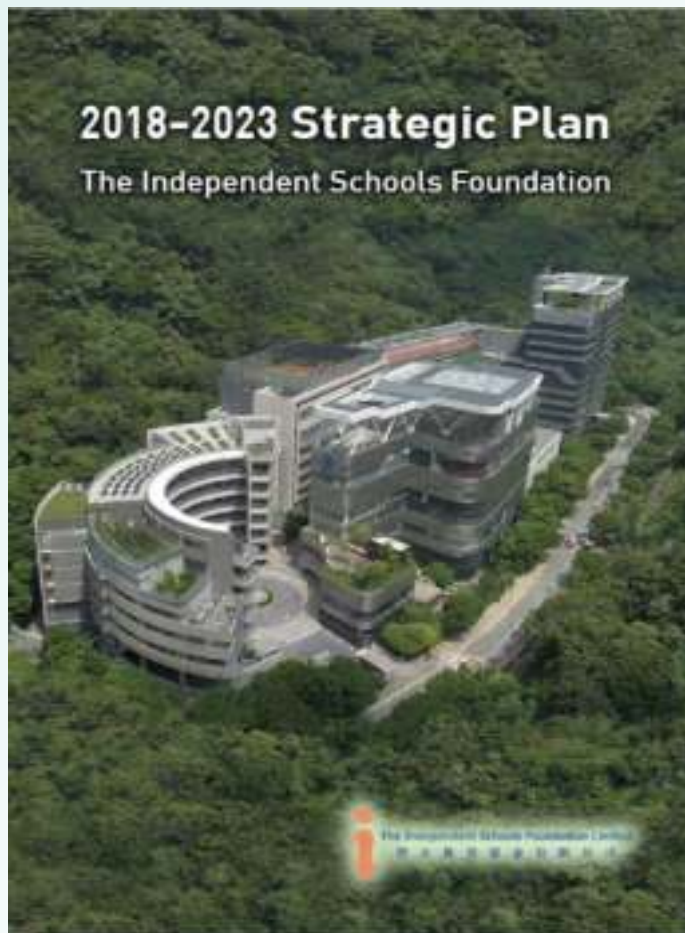
- CCA Registration
- ELP 2 (Secondary: 29 May – 2 June)
- Grade 12 Graduation & Advancements
- End of Academic Year
- Summer Extension

# July

- Summer Activities
- NRI Cambridge
- Oxford Comparative Philosophy
- Columbia

# August

- Commencement 2023-24



# 2024-2029 Strategic Plan



# Key Strategic Directions

- Chinese-English - bilingual, biliterate, bicultural
- *Eight Virtues + One*
- IB Diploma & MYP
- *Shuyuan* (STEM, Classics, Studio, partnerships)
- Experiential Learning (Shek Pik base)
- Eight Virtues Curriculum Framework



SAVE  
THE  
DATE!



約定您!

## ISF ANNUAL SCHOOL FAIR

### 弘立校園遊藝會

Community & Celebration | 社群和慶典

A fun filled day of games,  
activities & food galore!

屆時有一連串的攤位遊戲及豐富的食物，  
為您帶來歡樂的一天!

Saturday, November 19, 2022  
11:00a.m. - 4:00p.m.

2022年11月19日(星期六)  
上午11:00 - 下午4:00

For ISF Community Only

僅限弘立社群參與

JAM ON! 🍷

1 Kong Sin Wan Road, Hong Kong



香港銅鑼灣道1號

Thank you!

Next HOS Coffee Morning:  
Wednesday, 12 October 2022

