

**EDUCATION BUREAU CIRCULAR MEMORANDUM NO. 142/2021**

From : Secretary for Education

To : Heads of Kindergartens, Primary and  
Secondary Schools

Ref. : EDB(CD)/ADM/50/1/2(34)

Tel. : 2892 6680

Date : 1 September 2021

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**Curriculum Development Institute  
Application for Participation in Student Educational Activities and Events  
(September 2021)**

(Note: This circular memorandum should be read by heads of all kindergartens, primary and secondary schools)

**Summary**

The purpose of this circular memorandum is to invite kindergartens, primary and secondary schools to participate in the coming educational activities and events organised, co-organised or announced by Curriculum Development Institute, Education Bureau (EDB). When arranging learning activities for students, schools should ensure that the activities are in line with the learning goals and curriculum objectives, the learning needs of students are catered for, and the safety of students and teachers are taken into account. Please refer to the relevant circulars and guidelines issued by the EDB for the points to note in arranging activities.

**Details**

2. The educational activities and events are-

**a) For kindergartens:**

	<i>Key Learning Area/ Subject</i>	<i>Title</i>	<i>For the attention /action of</i>	<i>Remarks</i>	<i>Annex</i>
i)	Curriculum Resources	Dream Reading Scheme 2021-2022	School heads and teachers	Application deadline: 15 September 2021 (Wednesday)	1

	<b><i>Key Learning Area/ Subject</i></b>	<b><i>Title</i></b>	<b><i>For the attention /action of</i></b>	<b><i>Remarks</i></b>	<b><i>Annex</i></b>
ii)	Life-wide Learning	Joyful Fruit Month 2021/22	School heads	Schools that participated in Joyful Fruit Month in or after the 2019/20 school year will be automatically included in the list of participating schools in the 2021/22 school year. Other schools may visit the EatSmart@school.hk website ( <a href="https://school.eatsmart.gov.hk/en/index.aspx">https://school.eatsmart.gov.hk/en/index.aspx</a> ) from 4 October 2021 onwards for details and registration	2

**b) For primary schools:**

	<b><i>Key Learning Area/ Subject</i></b>	<b><i>Title</i></b>	<b><i>For the attention /action of</i></b>	<b><i>Remarks</i></b>	<b><i>Annex</i></b>
i)	Curriculum Resources	Dream Reading Scheme 2021-2022	School heads, school curriculum leaders, teacher-librarians and teachers	Application deadline: 15 September 2021 (Wednesday)	1
ii)	Life-wide Learning	Joyful Fruit Month 2021/22	School heads	Schools that participated in Joyful Fruit Month in or after the 2019/20 school year will be automatically included in the list of participating schools in the 2021/22 school year. Other schools may visit the EatSmart@school.hk website ( <a href="https://school.eatsmart.gov.hk/en/index.aspx">https://school.eatsmart.gov.hk/en/index.aspx</a> ) from 4 October 2021 onwards for details and registration	2

	<b>Key Learning Area/ Subject</b>	<b>Title</b>	<b>For the attention /action of</b>	<b>Remarks</b>	<b>Annex</b>
iii)	Moral, Civic and National Education	Green Prefect Programme 2021/22	School Heads, Moral, Civic and National Education Co-ordinators and Teachers	Application deadline: 15 October 2021 (Friday)	3
iv)	Science, Technology and Mathematics Education	InnoCarnival 2021	School heads, Primary School Curriculum leaders, and teachers of General Studies	Event Period: 23 to 31 October 2021	5

**c) For secondary schools:**

	<b>Key Learning Area/ Subject</b>	<b>Title</b>	<b>For the attention /action of</b>	<b>Remarks</b>	<b>Annex</b>
i)	Life-wide Learning	Joyful Fruit Month 2021/22	School heads	Schools that participated in Joyful Fruit Month in or after the 2019/20 school year will be automatically included in the list of participating schools in the 2021/22 school year. Other schools may visit the EatSmart@school.hk website ( <a href="https://school.eatsmart.gov.hk/en/index.aspx">https://school.eatsmart.gov.hk/en/index.aspx</a> ) from 4 October 2021 onwards for details and registration	2
ii)	Moral, Civic and National Education	Green Prefect Programme 2021/22	School Heads, Moral, Civic and National Education Co-ordinators and Teachers	Application deadline: 15 October 2021 (Friday)	3
iii)	Gifted Education	International Biology Olympiad – Hong Kong Contest 2021	Biology panel chairpersons and teachers	Please refer to the details on the website of the Hong Kong Academy for Gifted Education	4

	<b>Key Learning Area/ Subject</b>	<b>Title</b>	<b>For the attention /action of</b>	<b>Remarks</b>	<b>Annex</b>
iv)	Science, Technology and Mathematics Education	InnoCarnival 2021	School heads, co-ordinators and teachers of Science, Technology and Mathematics Education Key Learning Areas	Event Period: 23 to 31 October 2021	5
v)	Science Education /Science, Biology, Chemistry, Physics, Integrated Science and Combined Science  Technology Education / Computer Literacy, Information and Communication Technology, Design and Technology, Design and Applied Technology	The Joseph Needham Foundation for Science and Civilisation Public Lectures on STEM Education	Panel chairpersons and teachers of the Science Education and Technology Education Key Learning Areas	-	6
vi)	Science Education / Physics	Astronomical Training Programme for Secondary Students 2021/22	School heads, Science Education Key Learning Area Coordinators and teachers; panel head and teachers of Physics	Application period: from 13 September to 8 October 2021	7
vii)	Science Education	SciPOP Science Demonstration Contest and Young Scientists Study Tour 2022	School heads, Science Education Key Learning Area Coordinators and Teachers	Application period: from 4 October to 11:59 pm, 25 November 2021	8
viii)	Science Education	Hong Kong Observatory Radiation Education Programme (2021/22)	School heads, Science Education Key Learning Area coordinators and teachers	-	9

3. Details and Application Forms of the above activities and events are stipulated in the respective Annexes.

## **Enquiry**

- 4. In view of the latest development of the Coronavirus Disease 2019 (COVID-19) infection, details of the activities are subject to changes. For enquiries, please contact the respective **contact person** as listed in the respective Annexes.

Ms Edith Y C TSE  
for Secretary for Education

c.c. Heads of Sections – for information

## Dream Reading Scheme 2021-2022

### Aims / Objectives

This is to invite kindergarten and primary schools to participate in the captioned scheme.

### Details

2. The Dream Reading Scheme 2021-2022 is organised by the Hong Kong Creative Learning Association. The Education Bureau is the supporting organisation. The target participants of the scheme is all kindergartens and junior primary students in Hong Kong. Three Chinese personalised books "My Hong Kong Story" (Kindergarten Teaching Edition) or (Primary School Teaching Edition) will be presented to participating students free of charge. Technology is used to include students' names and characters in the personalised picture storybooks, so that they can learn about the community they live in from reading the books, enhance their sense of belonging to the community, and deepen their understanding and pursuit of dreams. The scheme aims to cultivate students' positive values and attitudes starting from pursuing their own dreams and extending to caring for the community.

3. For the participating schools, the scheme will:
- provide three personalised books of "My Hong Kong Story" (kindergarten teaching edition or primary school teaching edition) for each participating student;
  - organise Reading Fun Days cum story writing workshops, "Story of My Home Writing Competition", and other extensive reading activities for the students;
  - organise storytelling training classes for volunteers, teachers, and parents;
  - provide electronic educational kit, including teaching plans and materials, worksheets and multimedia videos; and
  - set up an online learning platform that can be accessed by the teachers, the students and the parents.

4. Interested schools may visit the reading scheme website (<https://dreamreading.org/報名辦法及詳情>) to make online applications. The quota for participation in the scheme is 150 schools. Applications are processed on a **first-come-first-served** basis. Participation in the scheme is free of charge. The deadline for application is 15 September 2021 (Wednesday).



### Contact Person

5. For enquiries, please contact the staff of Dream Reading Scheme on 5597 8779.

## Joyful Fruit Month 2021/22

### Aims / Objectives

This is to invite all schools to conduct systematic activities to promote the habit of eating fruit among students. Through home-school co-operation, the "Joyful Fruit Month" aims to create a favorable environment in which students are encouraged to eat an adequate amount of fruit every day. This school year's "Joyful Fruit Month" event will take place in April 2022 and the slogan is "Eat Fruits Every Day, Enjoy Benefits All the Way".

### Details

2. The project is co-organised by the Education Bureau, Department of Health (DH), Committee on Home-School Co-operation, and other organisations with support from the Federations of Parent-Teacher Associations in all districts.

3. Participating schools could organise related activities in a flexible way. Kindergartens may consider organising Fruit Diary Card Award Scheme, Vote for My Favourite Fruit, Fruit Colouring Game and Chess Game. Primary and special schools may consider organising Joyful Fruit Month Billboard Competition, DIY handicraft activity, Fruit Colouring Game, Tongue Twister Activity, English Crossword Puzzles or Fruit Origami Game. Secondary schools may form a teacher-led working committee to implement school-based fruit promotion activities so as to increase the total fruit consumption of the school community. Participating secondary schools may apply for a sponsorship of the School Healthy Eating Promotion Fund in this school year. Details and application forms are available in the "Joyful Fruit Month" thematic webpage.

4. The DH will provide relevant health education promotional materials such as banners, posters, pamphlets, teaching resources for the abovementioned activities as well as web-based resources to participating schools. To support the project, schools may choose to organise and design fruit promoting activities according to their school-based needs. The DH will acknowledge all participating and supporting schools on its "Joyful Fruit Month" thematic webpage. Schools that participated in Joyful Fruit Month in or after the 2019/20 school year will be automatically included in the list of participating schools in the 2021/22 school year. If schools wish to obtain materials, please fill in the material request form issued by the DH in due course.

5. All kindergartens, primary and secondary schools are encouraged to participate in the “Joyful Fruit Month”. Please visit the EatSmart@school.hk website (<https://school.eatsmart.gov.hk/en/index.aspx>) from 4 October 2021 onwards for details and registration.



### **Contact Person**

6. Enquiry can be directed to the Joyful Fruit Month Secretariat at below contact:

Tel: 2772 2012

Fax: 2772 2060

E-mail: [joyfulfruitmonth@dh.gov.hk](mailto:joyfulfruitmonth@dh.gov.hk)



## Green Prefect Programme 2021/22

### Aim

This is to invite primary and secondary schools to join the captioned programme.

### Details

2. The Environmental Campaign Committee (ECC), the Environmental Protection Department and the Education Bureau (EDB) have jointly organised the Green Prefect (GP) Programme for all primary and secondary schools in Hong Kong since 2020. The objectives of the programme are to facilitate schools in developing a group of energetic and resourceful Green Prefects (GPs) with deeper understanding of environmental issues, to arouse their peers' environmental awareness through encouragement and monitoring their green habits on campus, and ultimately help improve their schools' environmental performance.

3. Details of the programme are provided in **Appendix 3a**. Head of schools who wish to join the GP Programme in the 2021/22 school year are required to complete the **Registration Form** in **Appendix 3b** and return it to the ECC Secretariat by email to [schools@epd.gov.hk](mailto:schools@epd.gov.hk) or by fax at 2909 9516 **on or before 15 October 2021 (Friday)**.

### Enquiry

4. For enquiries, please contact the ECC Secretariat on 2835 1738 or the Moral, Civic and National Education Section of the EDB on 2153 7487.

## Green Prefect Programme 2021/22

### 1. Introduction

1.1 The Environmental Campaign Committee (ECC), the Environmental Protection Department and the Education Bureau (EDB) have jointly organised the Green Prefect (GP) Programme for all primary and secondary schools in Hong Kong since 2020.

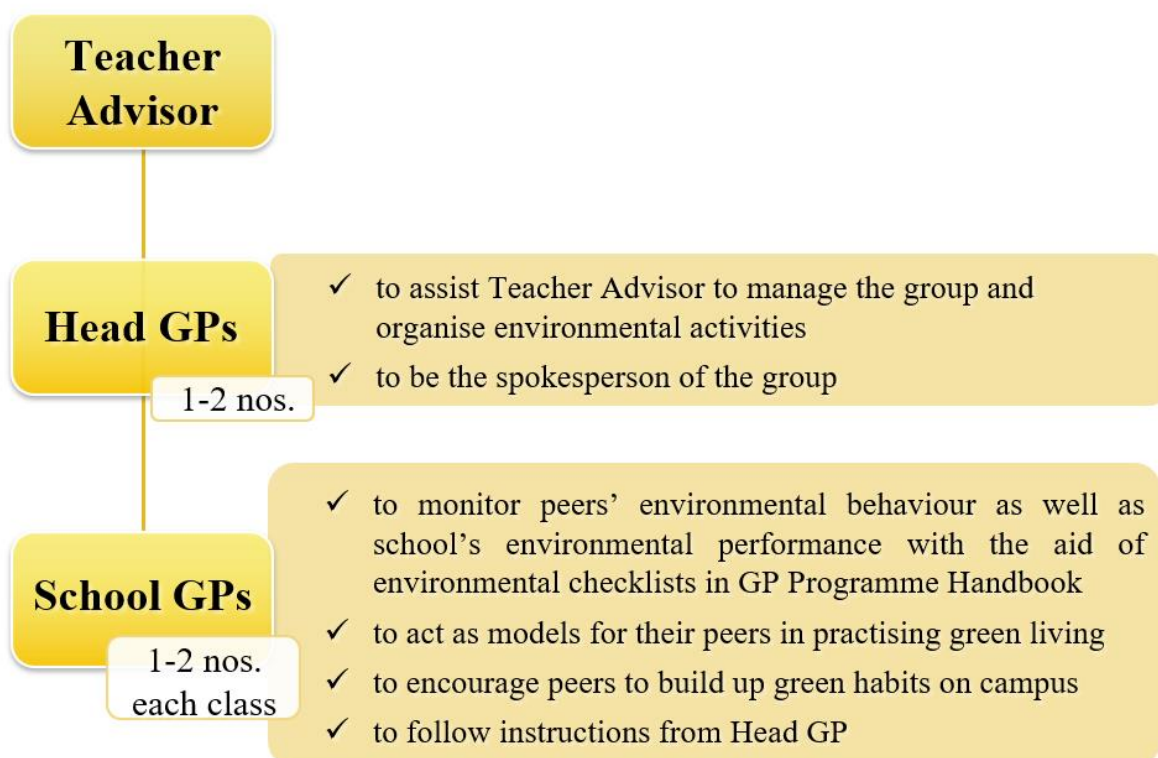
1.2 Details of the programme are set out in the ensuing paragraphs.

### 2. Objectives

- To enhance environmental performance of the participating schools
- To develop a group of energetic and resourceful GPs with deeper understanding of environmental issues and act as models for their peers
- To enhance students' environmental awareness and build up green habits on campus

### 3. Green Prefect Programme

#### 3.1 Recommended Structure of the GP Group and Responsibilities of GPs



### 3.2 Appointment

- Each class teacher is recommended to nominate not more than 2 GPs for his/her class or assign existing monitors/prefects to undertake the duties.
- Each school is recommended to assign not more than 2 Head GPs, usually from more senior classes in the primary or secondary school, directly responsible to the Teacher Advisor and rendering assistance in the management of the GP group.

### 3.3 Handbook and GP Badge

- Each participating school will be provided with a soft copy of the GP Programme Handbook (online version at [https://school.ecc.org.hk/english/gp\\_programme/gp\\_programme.html](https://school.ecc.org.hk/english/gp_programme/gp_programme.html)) for distribution to GPs for carrying out their duties. One hardcopy of the handbook will be provided to participating school upon request. The handbook contains not only environmental checklists for GPs to carry out their monitoring duties on campus on a monthly basis but also best practices in various environmental aspects and environmental tips to broaden students' knowledge.
- A Big Waster (大嘍鬼) badge will be distributed to each GP to recognise their role. To ensure the proper use of resources, re-appointed GPs shall continue to use their existing Big Waster badges. The ECC will only issue new Big Waster badges to students who are selected as GPs for the first time, or those who need a replacement badge due to damage or loss.

### 3.4 Briefing Session and Helpline Enquiry Service

- Briefing Session videos have been uploaded to Schools Go Green website ([https://school.ecc.org.hk/english/gp\\_programme/gp\\_programme.html](https://school.ecc.org.hk/english/gp_programme/gp_programme.html)). Teachers and GPs of participating schools may watch the video to know more about the programme and the use of GP handbook.
- A telephone enquiry hotline will be provided to offer advice to and answer enquiries from teachers and GPs on the implementation of the programme at schools.

### 3.5 Awards for GPs

At the end of the school year, each school may present the following awards to the GPs in appreciation of their dedication and contribution. There is no maximum number of the awards for each school and they should be given based on the different levels of performance of the GPs in undertaking their duties during the school year, and is entirely at the discretion of the Head of School.

- Outstanding Award
  - For GPs with excellent performance while undertaking their duties and bringing positive influence to their peers' green behaviour
  
- Certificate of Appreciation
  - For GPs with satisfactory performance and in appreciation of their dedication

Participating schools will be provided with e-certificate templates (in editable pdf format) in June 2022 for issuance to relevant GPs.

## 4. **Registration and Implementation**

Schools who wish to implement the GP Programme in the 2021/22 school year may register by completing and returning the **Registration Form** in **Appendix 3b** by email to [schools@epd.gov.hk](mailto:schools@epd.gov.hk) or by fax at 2909 9516 **on or before 15 October 2021 (Friday)**.

## 5. **Enquiry**

For enquiries, please contact the ECC Secretariat on 2835 1738 or the Moral, Civic and National Education Section of the EDB on 2153 7487.

To : Environmental Campaign Committee Secretariat  
 (Attn. : Assistant Secretary (Community Relations) 2)  
 (Email : [schools@epd.gov.hk](mailto:schools@epd.gov.hk) Fax : 2909 9516)

## **Green Prefect (GP) Programme 2021/22** **Registration Form for Primary and Secondary Schools**

*(Please complete and return this form to the ECC Secretariat by email or by fax  
on or before 15 October 2021 (Friday). The softcopy of this form is downloadable at  
[https://school.ecc.org.hk/english/gp\\_programme/gp\\_programme.html](https://school.ecc.org.hk/english/gp_programme/gp_programme.html))*

Our school **will** implement the GP Programme in the 2021/22 school year. The number of students appointed are as follows:

(Please put "✓" in the appropriate box below. Schools operate both primary and secondary sections may select more than one school category.)

School Category	No. of <u>re-appointed</u> GPs	No. of <u>newly appointed</u> GPs
<input type="checkbox"/> Primary School		
<input type="checkbox"/> Secondary School		

Please provide a total of \_\_\_\_\_ Big Waster badges for our school, including \_\_\_\_\_ for newly appointed GPs and \_\_\_\_\_ for re-appointed GPs who require replacement of badges\*.

\*Re-appointed GPs should continue to use their existing Big Waster badges unless they are damaged or lost.

Signature of School Head	:	
Name of School Head	:	
Name of School	( English ) :	
	( Chinese ) :	
Name of Teacher Advisor	( English ) :	
	( Chinese ) :	
Contact No. of Teacher Advisor	:	
Email Address of Teacher Advisor	:	
School Address	:	
School Contact No.	:	
School Fax No.	:	
School Email Address	:	
Date	:	

(School Chop)

*Remarks: You have the right to request access to and correction of personal data provided in this form. If you wish to access or correct your personal data, please contact the ECC Secretariat by email ([schools@epd.gov.hk](mailto:schools@epd.gov.hk)).*

### **Consent Statement**

The Environmental Protection Department (EPD) and/or the ECC and its Secretariat intend to use the personal data (including your name, contact number, fax number, school address and email address) that you have provided to promote the latest development, policies, activities and schemes of the EPD and/or the ECC. Should you find such use of your personal data not acceptable, please indicate your objection by ticking the box below -

- I object to the proposed use of my personal data in any marketing activities arranged by the EPD and/or the ECC and its Secretariat.

## International Biology Olympiad – Hong Kong Contest 2021

### Aims / Objectives

This is to invite secondary schools to nominate their students to take part in the captioned competition.

### Details

2. The International Biology Olympiad – Hong Kong Contest (IBO-HKC) 2021 aims at promoting biology education in Hong Kong and providing challenging enrichment learning opportunities for students with high potential in biology. IBO-HKC 2021 is co-organised by the Education Bureau and the Hong Kong Academy for Gifted Education (HKAGE).

3. The IBO-HKC 2021 will be held on **17 October 2021 (Sunday) (tentative)**. A series of enhancement programmes arranged by the HKAGE will be provided for the high-achieving students in the IBO-HKC 2021. Those students with outstanding performance in the enhancement programmes would be invited to represent Hong Kong to participate in the 33rd IBO in July 2022.

4. Details of the IBO-HKC 2021, including the registration methods, background information and regulations of the competition, are available on the website of the HKAGE (<https://www.hkage.org.hk/en/competitions>). Besides, past papers of the IBO-HKC have also been uploaded to the above website for reference.



5. Schools wishing to nominate students for the IBO-HKC 2021 are required to register through the above website **from now to 13 September 2021 (Monday) 12:00 noon**. Principals, teachers and nominated students are advised to check the results of the nomination, the seating arrangement for student participants and other relevant details which will be **tentatively released on 27 September 2021 (Monday)** through the above website. No further notifications will be given. Further updates, if any, about the event will be provided on the above website.

### Contact Person

6. For enquiries, please contact the HKAGE on 3940 0101 or by email to [ibohkc@hkage.org.hk](mailto:ibohkc@hkage.org.hk).

## InnoCarnival 2021

### Aims / Objectives

This is to invite primary and secondary schools to participate in the captioned event.

### Details

2. The Innovation and Technology Commission (ITC) will organise the nine-day “InnoCarnival 2021” from 23 to 31 October 2021. This year, the event will include physical exhibition at the Hong Kong Science Park as well as workshops and seminars on a virtual platform. The InnoCarnival 2021 is supported by the Education Bureau. Details of the event are available at <https://innocarnival.hk/>.



3. The “InnoCarnival 2021” carries the theme “Innovate for a Bright Future”. Around 50 programme partners including local universities, government departments, technology enterprises and education organisations will showcase their achievements in research and development and innovation and technology projects. The event will also feature an array of online workshops and seminars covering a variety of topics. In addition, around 100 sessions of InnoTech online workshops will be conducted in February, April and June 2022 to encourage self-learning at home.

4. Teachers and students who are interested in joining the online workshops and seminars are invited to complete the registration on the said website from mid-September onwards. Application will be processed on a first-come-first-served basis.

### Contact Person

5. For enquiries, please contact The Hong Kong Federation of Youth Groups on 2561 6149 or by email to [innocarnival@hkfyg.org.hk](mailto:innocarnival@hkfyg.org.hk).

## The Joseph Needham Foundation for Science and Civilisation Public Lectures on STEM Education

### Aims / Objectives

This is to invite teachers and students of secondary schools to participate in the captioned events.

### Details

2. This series of lectures is co-organised by the Joseph Needham Foundation for Science and Civilisation, the Education Bureau, the Hong Kong Academy of Sciences and the Hong Kong Science Museum, with the aims to promote Science, Technology, Engineering and Mathematics (STEM) education, and to enable students and the public to learn more about the recent development of some STEM-related topics, including epidemiological control and clinical management, philosophy of Chinese medicine in maintaining a healthy lifestyle, applications of brain-wave control technology, smart antimicrobial technologies, applications in artificial intelligence and green economy, as well as to recognise the challenges and opportunities of innovation and entrepreneurship in Hong Kong.

3. There are six talks in this lecture series. Details are as follows:

	<b>Date and Time</b>	<b>Topic and Synopsis of Lecture</b>	<b>Guest Speaker and Language</b>
1	29 September 2021 (Wednesday)  2:30 - 4:30 p.m.	<i>From SARS to COVID-19</i> <ul style="list-style-type: none"> <li>• The Coronavirus Disease 2019 (COVID-19) pandemic has caused millions of deaths globally, while border control and social distancing measures have severely affected global socioeconomic activities and mental health. This lecture will review the sequence of events and research findings from 2003 to 2020 with relevance to epidemiological control and clinical management.</li> </ul>	Prof YUEN Kwok Yung  Chair of Infectious Diseases, Department of Microbiology, The University of Hong Kong  (Language medium: Cantonese)



	<b>Date and Time</b>	<b>Topic and Synopsis of Lecture</b>	<b>Guest Speaker and Language</b>
2	13 October 2021 (Wednesday)  2:30 - 4:30 p.m.	<p><i>Holistic Philosophy of Chinese Medicine in Maintaining a Healthy Lifestyle</i></p> <ul style="list-style-type: none"> <li>Health is fundamental to our work, life and learning, yet sickness can befall any of us. Chinese and Western medicine have very different approaches to maintain wellness and prevent diseases. This lecture will discuss how we could use a Chinese Medicine approach to maintain a healthy lifestyle in modern society.</li> </ul>	<p>Prof BIAN Zhao Xiang</p> <p>Associate Vice-President (Chinese Medicine Development), Hong Kong Baptist University</p> <p>(Language medium: Cantonese)</p>
3	27 October 2021 (Wednesday)  2:30 - 4:30 p.m.	<p><i>Brain-wave Control Technology for Healthcare or Entertainment</i></p> <ul style="list-style-type: none"> <li>Recent biomedical engineering technology is able to identify and read brain signals to control external devices, for example, to provide stroke patients with tools for rehabilitation. This lecture will introduce examples of translational research that turned findings from basic science into practical applications. The audience will understand more about brainwaves and their potential applications.</li> </ul>	<p>Prof TONG Kai Yu</p> <p>Chairman of Department of Biomedical Engineering, The Chinese University of Hong Kong</p> <p>(Language medium: Cantonese)</p>
4	01 December 2021 (Wednesday)  2:30 - 4:30 p.m.	<p><i>Conceptualisation, Design and Realisation of Smart Antimicrobial Technologies</i></p> <ul style="list-style-type: none"> <li>Droplets allow both direct and indirect transmissions resulting in widespread infection of COVID-19 virus. This lecture will introduce smart antimicrobial</li> </ul>	<p>Prof YEUNG King Lun</p> <p>Professor of the Department of Chemical and Biological Engineering and Division of Environment and Sustainability, The Hong Kong University of Science and Technology</p>

	<b>Date and Time</b>	<b>Topic and Synopsis of Lecture</b>	<b>Guest Speaker and Language</b>
		technologies that provide an innovative approach to prevent the transmission and spread of infectious diseases, thereby safeguarding individuals and the community.	(Language medium: Cantonese)
5	15 December 2021 (Wednesday)  2:30 - 4:30 p.m.	<p><i>AI Applications from an Ethical Perspective: The Good, the Bad and the Unethical</i></p> <ul style="list-style-type: none"> <li>Accelerating advances in AI and machine learning have powered the applications of virtual assistants, recruiting bots, self-driving cars, etc. The technologies have performed impressively well, often achieving human parity in performing a diversity of tasks. This lecture will introduce AI-automation as a double-edged sword that may bring benefits, but may also have potential perils. We must ensure ethical use of AI, as well as predict and prevent possible misuses.</li> </ul>	<p>Prof Helen MENG</p> <p>Patrick Huen Wing Ming Chair Professor of Systems Engineering and Engineering Management, The Chinese University of Hong Kong</p> <p>(Language medium: Cantonese)</p>
6	19 January 2022 (Wednesday)  2:30 - 4:30 p.m.	<p><i>Sustainable Development Goals for Green &amp; Golden Hills</i></p> <ul style="list-style-type: none"> <li>A sustainable future is quickly becoming an important goal for many countries to strive for. This lecture will discuss some economic strategies and green policies that can lead to the target of Zero Carbon and Zero Waste, such as carbon pricing, regenerative agriculture and green investment, etc.</li> </ul>	<p>Prof Vivian TAAM WONG, JP</p> <p>Honorary Fellow, The University of Hong Kong and The Open University of Hong Kong</p> <p>(Language medium: Cantonese)</p>

4. The lectures will be conducted simultaneously in the Lecture Hall of Hong Kong Science Museum in the form of onsite lecture and online live broadcast. Details of the lecture will be sent to enrolled schools one week before the event date. In addition, students who participate in the onsite lectures will be issued with a “Certificate of Attendance” of the lecture for encouragement.

#### **Contact Person**

5. For registration, please complete and return the registration form (Appendix 6a) to Ms Celine LEE of the Joseph Needham Foundation for Science and Civilisation by email (email address: [celine.lee@jnfCHK.org](mailto:celine.lee@jnfCHK.org)). For enquiries, please contact Ms Celine LEE at 2866 6598.

## 李約瑟科技與文明基金會 STEM 教育公開講座

**The Joseph Needham Foundation for Science and Civilisation****Public Lectures on STEM Education****報名表 Registration Form**

教師姓名: Name of teacher:	先生 Mr/ 太太 Mrs/ 女士 Ms/ 小姐 Miss* (中文 Chinese) *請將不適用者刪去 Please delete as appropriate (英文 English)			
學校名稱: School Name:	(中文 Chinese) (英文 English)			
聯絡電話: Contact Phone No.:	傳真: Fax No.:			
電郵: Email:				
學校團體入場時間 Admission time for school groups: 下午 2 時 15 分至 2 時 25 分 2:15 p.m. – 2:25 p.m. 講座時間 Lecture Time: 下午 2 時 30 分至 4 時 30 分 2:30 p.m. – 4:30 p.m. 請在適當空格加上 (✓) 號 Please tick (✓) the appropriate box(es):				
<input type="checkbox"/>	講座 1: 從 SARS 到 COVID-19 Lecture 1: From SARS to COVID-19	2021 年 9 月 29 日 (星期三) 22 September 2021 (Wednesday)	參與學生人數: No. of students:	
			參與方式 Participation mode	
			<input type="checkbox"/> 實體 Onsite	<input type="checkbox"/> 網上 Online
<input type="checkbox"/>	講座 2: 中醫智慧與我們的健康生活 Lecture 2: Holistic Philosophy of Chinese Medicine in Maintaining a Healthy Lifestyle	2021 年 10 月 13 日 (星期三) 13 October 2021 (Wednesday)	參與學生人數: No. of students:	
			參與方式 Participation mode	
			<input type="checkbox"/> 實體 Onsite	<input type="checkbox"/> 網上 Online
<input type="checkbox"/>	講座 3: 可應用於娛樂或醫療的腦電波 控制技術 Lecture 3: Brain-wave Control Technology for Healthcare or Entertainment	2021 年 10 月 27 日 (星期三) 27 October 2021 (Wednesday)	參與學生人數: No. of students:	
			參加方式 Participation mode	
			<input type="checkbox"/> 實體 Onsite	<input type="checkbox"/> 網上 Online
<input type="checkbox"/>	講座 4: 智能抗菌技術的概念化、設計 與實現 Lecture 4: Conceptualisation, Design, and Realisation of Smart Antimicrobial Technologies	2021 年 12 月 1 日 (星期三) 1 December 2021 (Wednesday)	參與學生人數: No. of students:	
			參與方式 Participation mode	
			<input type="checkbox"/> 實體 Onsite	<input type="checkbox"/> 網上 Online
<input type="checkbox"/>	講座 5: 從倫理角度看 AI 應用: 好的, 壞的, 險惡的 Lecture 5: AI Applications from an Ethical Perspective: The Good, the Bad and the Unethical	2021 年 12 月 15 日 (星期三) 15 December 2021 (Wednesday)	參與學生人數: No. of students:	
			參與方式 Participation mode	
			<input type="checkbox"/> 實體 Onsite	<input type="checkbox"/> 網上 Online
<input type="checkbox"/>	講座 6: 可持續發展, 青山變金山? Lecture 6: Sustainable Development Goals for Green & Golden Hills	2022 年 1 月 19 日 (星期三) 19 January 2022 (Wednesday)	參與學生人數: No. of students:	
			參與方式 Participation mode	
			<input type="checkbox"/> 實體 Onsite	<input type="checkbox"/> 網上 Online
校長簽署: Signature of Principal:				
校長姓名: Name of Principal:	學校蓋章: School Chop:			

**Remarks:** Please email the completed registration form to Ms Celine Lee (email address: celine.lee@jnfschk.org.) of the Joseph Needham Foundation for Science and Civilisation. Application will be processed on a first-come-first-served basis for on-site seating arrangements.

## Astronomical Training Programme for Secondary Students 2021/22

### Aims / Objectives

This is to invite secondary schools to promote the captioned programme to students.

### Details

2. Astronomical Training Programme for Secondary Students (ATPSS) is co-organised by the Hong Kong Space Museum, the Department of Physics, the Chinese University of Hong Kong, and the Hong Kong Astronomical Society. The ATPSS is supported by the Education Bureau. It aims at cultivating and promoting students' interests in natural science through a comprehensive training in astronomy.

3. The programme will include both theory and practical skills parts. Through a variety of activities (e.g. lectures, workshops and astronomical observation), the programme will enhance students' understanding of astronomy and boost their scientific literacy. By nurturing students' abilities in problem-solving and organisation of activities, the ATPSS hopes that students can apply what they have learnt in the programme to help promoting astronomy in their schools.

4. Local full-time students of S4 – S5 are eligible to apply for the ATPSS. As the maximum capacity of the programme is 100, selection of applications will be based on the information provided on the application forms. To encourage participation from different schools, no more than four students from the same school will be selected. The entire programme is free of charge.

5. Schools are invited to encourage students to participate in the programme. The application period will be from 13 September to 8 October 2021. Students who wish to enrol should submit their applications together with copies of their student ID cards on or before 8 October 2021 (Friday) through one of the following channels:

- Apply online via the website of HKEdCity (<https://bit.ly/3rM1ssu>); or
- Complete and return the application form (Appendix 7a) to the Hong Kong Space Museum.



### Contact Person

6. For enquiries, please contact Mr LEUNG of the School Programme Unit, Hong Kong Space Museum on 2734 2711.

For official use only

## 中學生天文訓練計劃報名表

## Application Form for the Astronomical Training Programme for Secondary Students

(請以正楷填寫 Please complete in BLOCK letters)

學生姓名 (必須與身份證相同) Name of Student (Must be the same as shown on the HKID card)			
(中文)		(English)	
年齡 Age		性別 Gender	<input type="checkbox"/> 男 Male <input type="checkbox"/> 女 Female
聯絡電話 Contact no.		電郵地址 Email	
就讀學校 Name of School			
就讀級別 Class level	<input type="checkbox"/> 中四 Secondary 4		<input type="checkbox"/> 中五 Secondary 5
是否選修物理科? Are you taking Physics as an elective?			
<input type="checkbox"/> 是 Yes		<input type="checkbox"/> 否 No	
就讀學校是否已成立天文學會? Is there any astronomical society/club in your school?			
<input type="checkbox"/> 是 Yes		<input type="checkbox"/> 否 No	
(續上題) 如有, 你是否學會會員 / 幹事會成員? (Follow-up question) If yes, are you a member or committee member of the society/club?			
<input type="checkbox"/> 否 No		<input type="checkbox"/> 會員 Member	
<input type="checkbox"/> 幹事會成員 Committee Member		<input type="checkbox"/> 副主席或主席 Vice President or President	
有否參與天文活動的經驗? Have you participated in any astronomical activities before?			
<input type="checkbox"/> 是 Yes		<input type="checkbox"/> 否 No	
(續上題) 如有, 請描述一個令你最難忘的天文活動。 (Follow-up question) If yes, please describe one of your most memorable astronomical activities.			
你從甚麼途徑學習天文知識? How do you learn about astronomy?			
你對哪一個天文範疇最感興趣? 請說明其原因。 Which area of astronomy are you particularly interested in? Why?			
你會如何應用從本計劃中所學到的知識? How will you apply the knowledge gained from this programme?			

請將填妥的報名表格於10月8日或以前循以下途徑交回香港太空館：

- (1) 傳真至2367 8320
- (2) 電郵至acoslib@lcsd.gov.hk
- (3) 郵寄或交回九龍尖沙咀梳士巴利道十號香港太空館學校節目組收（信封面請註明「中學生天文訓練計劃」）
- (4) 親自投遞表格至太空館活動表格收集箱  
錄取名單將於10月27日或以前於香港太空館網站公布，獲錄取同學須於指定日期前回覆是否參與計劃。

The completed form should be returned to the Hong Kong Space Museum on or before 8 October by:

- (1) Fax to 2367 8320
- (2) Email to acoslib@lcsd.gov.hk
- (3) Mail to School Programme Unit, 10 Salisbury Road, Tsim Sha Tsui, Kowloon (pleasemark "Astronomical Training Programme for Secondary Students" on the envelope)
- (4) Drop into the "Application Form Collection Box" at the Space Museum

Application results will be announced on the Space Museum's website on or before 2 November. Successful applicants are required to confirm their participation by the date specified in the announcement.

注意事項：

1. 請填妥整份表格。不完整或遲交的申請恕不受理。
2. 請在適當方格加 "✓"。
3. 透過本表格所提供的個人資料只作安排本訓練計劃之用，並會存檔於本館作紀錄，於當屆計劃完成後銷毀。
4. 根據個人資料(私隱)條例第 18 及 22 條及附表 1 第 6 項原則的規定，你有權要求查閱及更改本表格所載的個人資料。如要提出有關要求，請致函香港九龍尖沙咀梳士巴利道十號香港太空館學校節目組或致電 2734 2711與本館職員聯絡。
5. 此報名表格可自行複印使用。

Points to note:

1. Please complete the entire form. Incomplete or late applications will not be considered.
2. Please tick "✓" the appropriate box.
3. The personal data collected in this form is used for the programme organised by the Hong Kong Space Museum. The data will be accessed only by staff of the museum and will be destroyed upon completion of this year's programme.
4. You have the rights to request access to and correct the personal data as stated in this form in accordance with Sections 18 and 22 and Principle 6 of Schedule 1 to the Personal data (Privacy) Ordinance. To make such request, please contact our staff at 2734 2711 or mail to School Programme Unit, Hong Kong Space Museum, 10 Salisbury Road, Tsim Sha Tsui, Kowloon, Hong Kong.
5. Photocopies of this form will also be accepted.

簽署 Signature: \_\_\_\_\_

日期 Date: \_\_\_\_\_

## SciPOP Science Demonstration Contest and Young Scientists Study Tour 2022

### Aims / Objectives

This is to invite secondary schools to participate in the captioned contest.

### Details

2. The captioned contest is jointly organised by the Hong Kong Science Museum and the Education Bureau. It aims at fostering the pursuit of science knowledge among secondary school students, enhancing their presentation and communication skills, and nurturing young scientists in Hong Kong.
3. The contest will be held from November 2021 to May 2022. Each secondary school could nominate at most 2 teams of students to participate in the contest. Each team comprises 2 to 4 students who should be full-time Hong Kong secondary school students aged 15 or above.
4. The top three winning teams will be entitled to join the “Young Scientists Study Tour 2022” which include a field trip related to Earth Science in Japan. Finalists (other than the top three winning teams) could participate in a group interview to be held on 12 May 2022 to compete for individual places to join the “Young Scientists Study Tour 2022”. Depending on the pandemic situation, the Young Scientists Study Tour 2022 may be changed to local geological field studies.
5. More details of the contest are attached at the Appendix 8a. For updates of the contest, please visit the official website of the Hong Kong Science Museum (<https://hk.science.museum>).



### Contact Person

6. For enquiries, please contact Miss LAU of the Hong Kong Science Museum on 2731 5443 during office hours (Monday to Friday, 9:00 am - 1:00 pm and 2:00 pm - 5:00 pm, except public holidays).



## SciPOP Science Demonstration Contest and Young Scientists Study Tour 2022

### Details of the Contest

Earth science is a multidisciplinary field and its purpose is to study the Earth, including the solid earth, the atmosphere, the oceans, the biosphere, and their interactions as well as impacts of human activities on Earth's natural environment. In order to promote students' interest and to broaden their knowledge of the subject, and to complement the opening of Earth Science Gallery in the Hong Kong Science Museum, we are organising the captioned programmes with the theme of "Earth Science".

#### Eligibility

- Contestants must be full-time Hong Kong secondary school students aged 15 or above (as at 31 December 2021).
- Contestants shall enter the competition on school basis.
- Each school can nominate a maximum of 2 teams, and each team shall comprise 2 to 4 students.
- Application Form must be submitted by fax.

#### Application Period

From 4 October 2021 to 25 November 2021 (Application closes at 11:59 pm)

#### Application Method

- Application Form can be downloaded from the website of the Hong Kong Science Museum (<https://hk.science.museum>).
- Completed Application Form should be sent to the Hong Kong Science Museum by fax (fax number: 2311 2248) within the application period.
- Nominated teams will be notified by email on 26 November 2021 to confirm whether the nominations are accepted.
- Team members cannot be changed after the deadline of application.

#### Awards

- Awards include the Champion, 1<sup>st</sup> Runner-up, 2<sup>nd</sup> Runner-up and three Merit Prizes. Trophies and certificates will be presented to all winning teams. Participation certificates will be presented to the remaining finalists.
- The top three winning teams and individual finalists selected from the group interview will be entitled to join the "Young Scientists Study Tour 2022" for free.

#### Young Scientist Study Tour 2022

The "Young Scientist Study Tour 2022" will be held from 25 to 30 July 2022 tentatively. Participants will join a field trip related to Earth Science in Japan. Depending on the pandemic situation, the Young Scientists Study Tour 2022 may be changed to local geological field studies.

### Briefing Session

To enhance the understanding of teachers and students on the contest details and the theme – “Earth Science”, Hong Kong Science Museum will conduct a briefing session during the application period. Details are as follows:

- Date: 5 October 2021 (Tuesday)
- Time: 4:00pm - 6:30pm
- Venue: Lecture Hall, Hong Kong Science Museum
- Content: To explain the details of contest, and to enrich participants’ knowledge on “Earth Science”
- Application: Interested teachers and students please register through website of the Hong Kong Science Museum (<https://hk.science.museum>)

### Important Dates

Date	Event
4 October – 25 November 2021	Application period
5 October 2021 (Tuesday) 4:00 pm – 6:30 pm	Briefing session (Venue: Lecture Hall, Hong Kong Science Museum) <ul style="list-style-type: none"><li>- To explain the details of contest, and to enrich participants’ knowledge on “Earth Science”</li><li>- Interested teachers and students please register through website of the Hong Kong Science Museum (<a href="https://hk.science.museum">https://hk.science.museum</a>)</li></ul>
29 November 2021 – 13 January 2022	Preliminary <ul style="list-style-type: none"><li>- Participating teams will submit a demonstration overview and a 3-minute trailer.</li></ul> (Remark: The top twelve teams will be selected to enter the final round.)
8 December 2021 (Wednesday) 4:00 pm – 6:30 pm	Presentation skills training workshop (Venue: Lecture Hall, Hong Kong Science Museum) <ul style="list-style-type: none"><li>- Regulations and details of contest will be spelt out and demonstration skills will be illustrated to participating teams</li><li>- All participating teams must attend.</li></ul>
7 March – 21 April 2022	<ul style="list-style-type: none"><li>- Participating teams will submit a detailed demonstration proposal and a 10-minute demonstration video.</li></ul>
7 May 2022 (Saturday)	Final <ul style="list-style-type: none"><li>- Participating teams will conduct a 10-minute science demonstration and will be questioned by the adjudicators.</li></ul> (Remark: The top three winning teams will be entitled to join the "Young Scientists Study Tour 2022".)

12 May 2022 (Thursday)	Group interview - The remaining finalists will compete for individual places to join the "Young Scientists Study Tour 2022".
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#### Related Website

For updates of the contest, please visit the official website of the Hong Kong Science Museum (<https://hk.science.museum>).

#### Enquiries

For enquiries, please contact Miss LAU of the Hong Kong Science Museum on 2731 5443 during office hours (Monday to Friday, 9:00 am - 1:00 pm and 2:00 pm - 5:00 pm, except public holidays).

## Hong Kong Observatory Radiation Education Programme (2021/22)

### Aims / Objectives

This is to invite secondary schools to participate in the captioned programme.

### Details

2. The captioned programme is organised by the Hong Kong Observatory (HKO), supported by the Education Bureau, with an aim to enhance the understanding of radiation concepts among secondary school students, especially on ionising radiation monitoring and radiation protection as well as nuclear emergency preparedness.

3. The Radiation Education Programme consists of the following three items:

- i) School Community Ambient Radiation Measurement Pilot Programme – Gamma-Go Workshop;
- ii) On-site or Online School Talk (Topic: Understanding Radiation and Nuclear Emergency Preparedness) with Guided 360-degree Virtual Tour of the Observatory’s Radiological Facilities; and
- iii) Exhibition Materials on “Understanding Radiation and Nuclear Emergency Preparedness” on Loan to Schools.

4. Schools may apply for one or more than one item(s) of the programme. For application, please complete the respective application form(s) (Appendices 9a to 9c), and return it/them to the HKO by fax (fax no.: 2375 2645) or by email (email address: [train3@hko.gov.hk](mailto:train3@hko.gov.hk)) at least two weeks before the intended date of the activity. Applications will be processed on a first-come-first-served basis. The HKO will confirm with the schools whether their applications are accepted within one week upon receiving the application forms.

### Contact Person

5. For enquiries, please contact Ms CHENG Yuen-yuen of the Hong Kong Observatory, at 2926 8312 or via email (email address: [yycheng@hko.gov.hk](mailto:yycheng@hko.gov.hk)).

To: Training and Exercises Division, Hong Kong Observatory

[email : [train3@hko.gov.hk](mailto:train3@hko.gov.hk) ; fax : 2375 2645]

**Hong Kong Observatory Radiation Education Programme (2021/22)**  
**School Community Ambient Radiation Measurement Pilot Programme**

**Gamma-Go Workshop**

*“Gamma-Go” is an experiential STEM activity to enhance students’ understanding of radiation through lectures and practical sessions including assembling of Arduino-based portable device for measuring gamma radiation and meteorological elements, taking real-time measurements and sharing of data on a dedicated web-based platform. For details, please watch the “Cool Met Stuff” video on Gamma-Go (<https://youtu.be/i32ETRVvmjQ>).*

**Application Form**

Date of Gamma-Go Workshop (Please provide the 1 <sup>st</sup> and 2 <sup>nd</sup> priorities)	
Online lectures: Self-study 4 videos, each lasting 20-30 minutes.	
Quiz game and practical (3 hours):	
<u>1<sup>st</sup> Priority</u>	Date : _____ (DD/MM/YY) (*a.m./p.m. *Mon/Tue/Wed/Thu/Fri/Sat)
<u>2<sup>nd</sup> Priority</u>	Date : _____ (DD/MM/YY) (*a.m./p.m. *Mon/Tue/Wed/Thu/Fri/Sat)
Estimated no. of students : _____	
Level of students : Secondary _____	
Language : *Cantonese / English	

\* delete as appropriate

**Points to note**

- Students of S3 - 6 may participate in the programme. The maximum capacity is around 30. The self-study videos will be passed to the teacher-in-charge around two weeks before the workshop for participating students to watch.
- The participating school should arrange a suitable venue and provide necessary equipment (including a computer with Internet connection and overhead projector) for the workshop.
- Please allow the participating students to use mobile phone for transmission of measurement data to the Gamma-Go webpage during the workshop.
- The Observatory will not charge any fees.

**School Information**

Name of School : \_\_\_\_\_

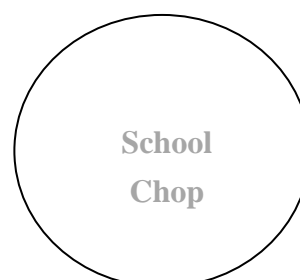
Name of Teacher-in-charge : \_\_\_\_\_

Email address : \_\_\_\_\_ Contact Tel. No.: \_\_\_\_\_

Signature of Principal : \_\_\_\_\_

Name of Principal : \_\_\_\_\_

Date : \_\_\_\_\_



To: Training and Exercises Division, Hong Kong Observatory

[email : [train3@hko.gov.hk](mailto:train3@hko.gov.hk) ; fax : 2375 2645]

**Hong Kong Observatory Radiation Education Programme (2021/22)**  
**On-site or Online School Talk**  
**(Topic : Understanding Radiation and Nuclear Emergency Preparedness)**  
**with Guided 360-degree Virtual Tour of the Observatory's Radiological Facilities**

**Application Form**

Date and Time of the *On-site/ Online School Talk (Please provide the 1 <sup>st</sup> and 2 <sup>nd</sup> priorities)	
<u>1<sup>st</sup> Priority</u>	Date : _____ (DD/MM/YY) Time : From _____ *a.m. / p.m. to _____ *a.m. / p.m.
<u>2<sup>nd</sup> Priority</u>	Date : _____ (DD/MM/YY) Time : From _____ *a.m. / p.m. to _____ *a.m. / p.m.
Estimated no. of students : _____	
Level of students : Secondary _____	
Language : *Cantonese / English	

\* delete as appropriate

Points to note

- Students of S1- 6 may attend the talk. The minimum number of participating students is 100.
- The talk will take about 1 to 1.5 hours. It can be conducted within the period from 9 a.m. to 4 p.m., from Monday to Friday (except public holidays).
- For on-site talk, school should arrange a suitable venue (e.g. school hall) and provide the necessary equipment (including computer and overhead projector) on the day of the talk.
- For online talk, school should arrange a video conferencing tool for the talk.

School Information

Name of School : \_\_\_\_\_

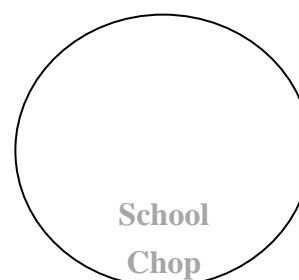
Name of Teacher-in-charge : \_\_\_\_\_

Email address : \_\_\_\_\_ Contact Tel. No.: \_\_\_\_\_

Signature of Principal : \_\_\_\_\_

Name of Principal : \_\_\_\_\_

Date : \_\_\_\_\_



To: Training and Exercises Division, Hong Kong Observatory  
 [email : [train3@hko.gov.hk](mailto:train3@hko.gov.hk) ; fax : 2375 2645]

**Hong Kong Observatory Radiation Education Programme (2021/22)**  
**Exhibition Materials on**  
**“Understanding Radiation and Nuclear Emergency Preparedness”**  
**on Loan to Schools**

**Application Form**

Loan Period of the Exhibition Materials (Please provide the 1 <sup>st</sup> and 2 <sup>nd</sup> priorities)	
<u>1<sup>st</sup> Priority</u>	Date : _____ (DD/MM/YY) to _____ (DD/MM/YY)
<u>2<sup>nd</sup> Priority</u>	Date : _____ (DD/MM/YY) to _____ (DD/MM/YY)

*\* delete as appropriate*

Points to note

- The exhibition materials consist of five pieces of pull-up banner and the maximum loan period is one week.
- School should arrange staff to collect exhibition materials from the HKO beforehand and return those materials to the HKO after exhibition.
- School should arrange a suitable venue (such as school hall or covered playground) for display of the exhibition materials and make arrangement for students to visit.

School Information

Name of School : \_\_\_\_\_

Name of Teacher-in-charge : \_\_\_\_\_

Email address : \_\_\_\_\_ Contact Tel. No.: \_\_\_\_\_

Signature of Principal : \_\_\_\_\_

Name of Principal : \_\_\_\_\_

Date : \_\_\_\_\_

