

Science Docent Challenge

Overview

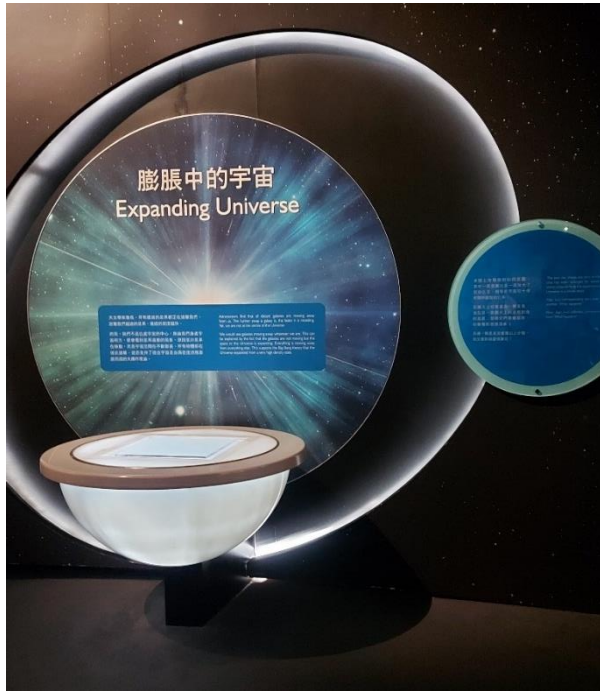
The Science Docent Challenge is jointly organised by the Hong Kong Space Museum and the Department of Physics, The Chinese University of Hong Kong (CUHK). It aims at sparking students' interests in astronomy and enhancing their science communication skills. In this contest, the Organisers have selected five exhibits on cosmology in the Hall of the Cosmos at the Hong Kong Space Museum. Contestants are required to introduce at least three of these exhibits in an engaging and lively way to help visitors understand the science behind them.

Gallery Environment in the Vicinity of Exhibits



The Five Selected Exhibits on Cosmology

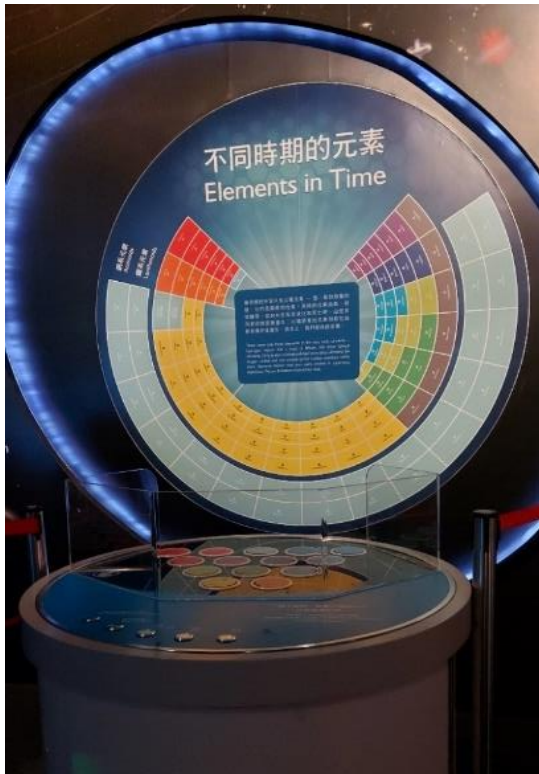
(1) Expanding Universe



(2) Breaking Symmetry



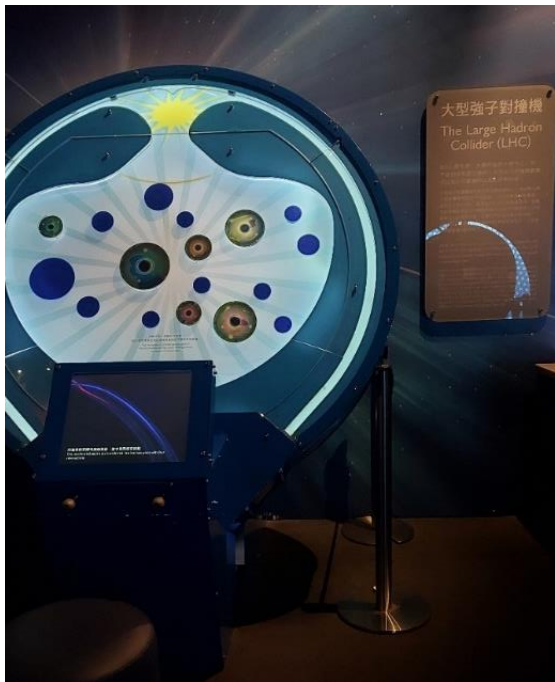
(3) Elements in Time



(4) Cosmic Rays



(5) The Large Hadron Collider (LHC)



Eligibility

- Contestants must be full-time Secondary 4 to 6 (or equivalent) students enrolled in local secondary schools in the 2024/25 school year.
- Contestants shall enter the contest on a school basis.
- Each school can nominate up to two teams with each team comprising two students.

Application Period and Method

- The application period is from 18.11.2024 (Mon) to 20.12.2024 (Fri) (11:59pm). Late applications will not be accepted.
- Please complete and return the application form along with a copy of each contestant's student card or student handbook (the page with recent photograph) via email to acoslib@lcsd.gov.hk or by fax to 2367 8320.
- The nomination list cannot be modified after the closing date.
- Upon receipt of the application form, the Organiser will send a confirmation letter to the teacher-in-charge and the contestants via email within 5 working days. Please check the inbox and spam folders of your mailbox. If you do not receive the confirmation letter after 5 working days, please contact us at acoslib@lcsd.gov.hk.

Briefing Session

A briefing session will be conducted to furnish teachers-in-charge and contestants with contest details, including objectives, schedule, rules, judging criteria, and points to note. Additionally, the principles of design and operation of the five selected exhibits focused on cosmology will be introduced.

Date: 26.11.2024 (Tue)

Time: 4:30 – 6:00pm

Venue: Lecture Hall and Hall of the Cosmos, Hong Kong Space Museum

Speakers: Assistant Curators of the Hong Kong Space Museum and representatives of CUHK

Language: Cantonese

Admission on a first-come, first-served basis

** After enrollment, the Organisers will provide contestants with video/audio recordings of the briefing session, along with an information kit for the selected exhibits for their reference.

Preliminary

Format:

- Each team must prepare a trailer for a guided tour introducing at least three exhibits from the above exhibit list. The 10 teams with the highest scores will advance to the Final.
- Contestants will provide through the trailer:
 - (a) Self-introduction: must clearly show the contestants' faces from the front, stating their name, school and form;
 - (b) an overview of the tour's storyline;
 - (c) the selected exhibits;
 - (d) the scientific concepts involved;
 - (e) and the props to be used (if any).
- Both contestants must appear in the trailer, with no restrictions on costume. They must speak in Cantonese, Putonghua or English, and can use graphics and photos to enhance their presentation. If applicable, the text should be written in either Chinese or English.
- There is no limit to the number of props. However, all props must fit together inside an A4 paper box (as shown in the photo below) measuring approximately of 31±3 cm (W) x 22±3 cm (D) x 22±3 cm (H).



Example of A4 paper box

- The trailer must be submitted online as specified between 20.12.2024 (Fri) and 7.1.2025 (Tue).

Judging criteria:

1. Scientific accuracy (40%)
2. Storyline of the guided tour (30%)
3. Creativity, attractiveness and presentation skills (30%)

The trailer must be **between 1 and 2 minutes in length. **A 30% deduction from the total score will result if the duration falls outside this range.**

How to submit:

- The contestants will receive submission instructions via email.
- The deadline for submission is 7.1.2025 (Tue) at 11:59pm. Overdue submissions will not be accepted.

Results of Preliminary:

- Adjudicators will evaluate the work of each team based on the judging criteria. Ten teams with the highest scores will enter the final.
- The results will be announced on the website of Hong Kong Space Museum on 11.2.2025 (Tue) at 11:00am.
- The Organisers will notify the finalist teams and their teachers-in-charge of the details of the Final via email.

Final

The finalist teams must:

- write and submit a detailed guided tour proposal based on the exhibits and content presented in the trailer. The Proposal serves as reference for adjudicators and museum staff for evaluation and rehearsal arrangement.
- participate in the Final scheduled on 22.4.2025 (Tue).

Submission of guided tour proposal:

- The submission method is the same as that for the guided tour trailer.
- The deadline for submission is 1.4.2025 (Tue) at 11:59pm.

Guided tour proposal must include:

- 1) objectives of the guided tour,
- 2) introduction,
- 3) time allocation for the 10-minute guided tour,
- 4) content for the 10-minute guided tour (images and photos can be used),
- 5) connections to the selected exhibits,
- 6) scientific concepts involved, and
- 7) props used (if any), with the same requirements as in the trailer.

**The proposal can be written in Chinese or English and is limited to 10 single-sided A4 pages.

Rehearsal:

- All finalist teams must attend a 40-minute rehearsal session at the Exhibition Halls of the Hong Kong Space Museum on 8.4.2025 and 15.4.2025 (Tue) from 3:00pm to 9:00pm.
- Finalist teams are required to book their rehearsal sessions by 11:59pm on 1.4.2025 (Tue).
- Finalist teams can practice their guided tour on-site during their reserved time slot.

On the day of Final:

Date: 22.4.2025 (Tue)

Venue: Hall of the Cosmos, Hong Kong Space Museum

- Each team is required to deliver a 10-minute guided tour to the adjudicators.
- The guided tour must be based on the trailer and should connect to at least 3 exhibits from the exhibit list.
- Both contestants must participate in the guided tour, with no restrictions on costume. They must speak in Cantonese, Putonghua or English, and can use graphics and photos to enhance their presentation. If applicable, the text should be written in either Chinese or English. The requirements for props are the same as those for the trailer.

Judging Criteria:

1. Scientific accuracy (30%)
2. Use of exhibits, panels and handy props (25%)
3. Presentation skills (total 20%; 10% for each participant)
4. Creativity and attractiveness (15%)
5. Audience (adjudicators) engagement (10%)

****The guided tour must be completed within 10 minutes. Exceeding this time limit will result in a 20% deduction from the total score.**

- During the guided tour, adjudicators will ask questions related to the presentation and evaluate the team's performance.
- The results of the contest will be announced, and awards will be presented during the Award Presentation Ceremony held after the contest.
- The results of the contest will be uploaded to the Hong Kong Space Museum website later.

Prizes

- Awards include the Champion, First Runner-up, Second Runner-up and two Merit Prizes.
- Trophies and certificates will be presented to all winning teams. Participation certificates will be presented to the remaining finalists.
- Students from the Champion and First Runner-up teams will be entitled to join an 8-day physics study tour to the United States organised by the CUHK. The study tour is tentatively scheduled from 21 to 29.7.2025 and will include visits to the California Institute of Technology and the University of Arizona. Participants will engage in a series of lectures, workshops and laboratory visits, as well as meeting with researchers. CUHK will cover the cost of insurance, flight tickets, transportation, accommodations, and visiting fee of the study tour, while students will be responsible for applying their US visas and covering their meal expenses during the trip.
- Students from the Second Runner-up and Merit Prizes teams will be entitled to join a summer course at the Science Academy for Young Talent of CUHK for free.
- The Champion, First Runner-up and Second Runner-up will be invited to conduct their winning guided tours for the public at the Hong Kong Space Museum.

Important Dates

<u>Date</u>	<u>Event</u>
18.11.2024 (Mon) – 20.12.2024 (Fri)	Application Period
26.11.2024 (Tue) 4:30 – 6:00 pm	Briefing session
20.12.2024 (Fri) – 7.1.2025 (Tue)	Preliminary Submission of trailer (duration one to two minutes)
11.2.2025 (Tue)	Announce results of the Preliminary
1.4.2025 (Tue)	Deadline for finalist teams to submit detailed guided tour proposals
8.4.2025 & 15.4.2025 (Tue) 3:00 – 9:00 pm	Finalist teams' rehearsal
22.4.2025 (Tue)	Final - Conduct a 10-minute guided tour and be questioned by the adjudicators Award presentation ceremony
3.7.2025 & 10.7.2025 (Thu) pm (tentatively)	The champion, the first runner-up and the second runner-up conduct the winning guided tours to the public
21 – 29.7.2025 (tentatively)	Physics study tour in the United States
7 - 8.2025	- Summer Course in Science Academy for Young Talent, CUHK

Terms and Conditions

1. The contest is jointly organised by the Hong Kong Space Museum and the Department of Physics, The Chinese University of Hong Kong (CUHK).
2. Contestants need to guarantee that the content of the entries do not infringe any copyright, and are the owners of the copyright and publication right. Please refer to relevant ordinances. The Organisers take no liability whatsoever regarding any infringement therein. For the sake of respect for intellectual property rights, the source of any non-original content must be acknowledged.
3. Contestants shall understand and agree to grant and assign exclusively to the Organisers all the intellectual property rights of the submitted entry. The Organisers have the right to display the entry content, title, synopsis and contestants' information in any form of media for demonstration, publication, exhibition, promotion or any non-commercial activities. The Organisers also have the authority to edit, translate, adapt, use, copy and distribute, in whole or in part of the entries without any need for prior consent of or payment of fees to the contestants.
4. Trailers of non-awarded teams will be destroyed within one year after completion of the contest.
5. Video and photo shooting will be performed in each stage of the contest. The Organisers are deemed to take and use images of contestants for educational and promotional purposes.
6. All decisions made by the Organisers for the contest are final and binding, and the Organisers reserve the right to amend the rules of the contest.
7. Contestants give consent to all rules of the contest by submitting the application form.

Enquiries

acoslib@lcsd.gov.hk (Hong Kong Space Museum)

致：香港太空館 學校節目組
To: School Programme Unit, Hong Kong Space Museum

申請編號 Reference No. : _____
(由本館填寫 To be filled by the museum)

電郵 Email: acoslib@lcsd.gov.hk
傳真 Fax No.: 2367 8320

「科學導賞挑戰賽」報名表
Application Form for "Science Docent Challenge"

學校資料 School information

學校名稱 School Name : _____(中文)
_____ (English)

學校地址 School Address : _____

負責老師資料 Teacher-in-charge information

姓名 Name : _____(中文) _____(English)

聯絡電話 Contact No. : _____(手提電話 Mobile) _____(辦公室 Office)

電郵 Email : _____ 傳真號碼 Fax No. : _____

提名名單 Nomination list

每支隊伍必須由兩名中四至中六學生組成，報名時須附上參賽者的學生證或學生手冊（附有相片頁面）副本。參賽者必須使用 Gmail，以便日後提交導賞預告片。

Each team shall comprise 2 students studying Secondary 4 to 6. Please submit the application form along with a copy of each contestant's student card or student handbook (the page with recent photograph). Contestants must use Gmail to facilitate the submission of trailer for the guided tour.

	參賽者姓名 Contestant Name	年級 Form	聯絡電話 Contact No.	電郵 Email
第一隊 Team 1				
隊長 Team leader	(中文) (English)			@gmail.com
隊員 Team member	(中文) (English)			@gmail.com
第二隊 Team 2 (選填 optional)				
隊長 Team leader	(中文) (English)			@gmail.com
隊員 Team member	(中文) (English)			@gmail.com

****所有參賽者和負責老師在報名時，已經閱讀、明白及同意比賽的詳情、條款及細則。**

All contestants and teacher-in-charge have read, understood and agreed to the details, terms and conditions of the contest upon application.

負責老師簽名
Signature of Teacher-in-charge

學校印鑑
School Chop

日期
Date

報名須知 Notes on application

- 1) 參賽者必須於 2024/25 學年，在本港全日制中學修讀中四至中六（或同等程度），並必須以學校名義參賽。

Contestants must be full-time Secondary 4 to 6 (or equivalent) students enrolled in local secondary schools in the 2024/25 school year, and shall enter the contest on a school basis.

- 2) 每間中學最多可提名兩支隊伍參加，每支隊伍必須由兩名學生組成。

Each school can nominate a maximum of two teams, and each team shall comprise two students.

- 3) 請把已填妥的報名表格，連同參賽者的學生證或學生手冊(附有相片頁面)副本，電郵至 acoslib@lcsd.gov.hk 或傳真至 2367 8320。

Please complete and return the application form along with a copy of each contestant's student card or student handbook (the page with recent photographs) via email to acoslib@lcsd.gov.hk or by fax to 2367 8320.

- 4) 報名期為 18.11.2024（星期一）至 20.12.2024（星期五）（晚上 11 時 59 分截止），逾時申請恕不接納。截止報名後不可更改提名名單。

The application period is from 18.11.2024 (Mon) to 20.12.2024 (Fri) (11:59pm). Late applications will not be accepted. The nomination list cannot be modified after the closing date.

- 5) 報名參賽後，有關比賽的文件及訊息會以電郵方式向各隊的負責老師及參賽者發放，而電話則作緊急聯絡之用，因此參賽者請經常查看電郵。煩請負責老師在遞交報名表時，核實所有聯絡資料均正確無誤。

After submission of application, all related correspondence and news of the contest will be sent to the teacher-in-charge and contestants by email, and the contact number will only be used for urgent matters. Hence, contestants should check email frequently. The teacher-in-charge shall verify all the contact information on the form.

- 6) 參賽者須確保作品內容沒有侵犯任何版權及擁有其著作、發表權，詳情請參閱版權法的相關法例。主辦單位不會承擔任何因侵犯版權而引發的法律責任。為尊重知識產權，所有非原創內容必須註明出處。

Contestants need to guarantee that the content of the entries do not infringe any copyright, and are the owners of the copyright and publication right. Please refer to relevant ordinances. The Organisers take no liability whatsoever regarding any infringement therein. For the sake of respect for intellectual property rights, the source of any non-original content must be acknowledged.

- 7) 參賽者必須清楚並同意所有遞交的作品，其版權將歸於主辦單位所有。主辦單位有權將作品的內容、標題、簡介及參賽者資料以任何媒體形式示範、出版、展覽、宣傳或作非牟利用途。主辦單位亦有權將有關作品作出修改、翻譯、改編、使用、複製及派發全部或部分內容而毋須事先取得參賽者同意或繳付任何費用。

Contestants shall understand and agree to grant and assign exclusively to the Organisers all the intellectual property rights of the submitted entry. The Organisers have the right to display the entry content, title, synopsis and contestants' information in any form of media for demonstration, publication, exhibition, promotion or any non-commercial activities. The Organisers also have the authority to edit, translate, adapt, use, copy and distribute, in whole or in part of the entries without any need for prior consent of or payment of fees to the contestants.

- 8) 主辦單位會於比賽各階段進行攝影及錄影，並有權採用參賽者的影像作教育或宣傳用途。

Video and photo shooting will be performed in each stage of the contest. The Organisers are deemed to take and use images of contestants for educational and promotional purposes.

- 9) 主辦單位擁有比賽的最終決定權及保留修改比賽規則的權利。

All decisions made by the Organisers for the contest are final and binding. And the Organisers reserve the right to amend the rules of the contest.

- 10) 透過本表格所提供的個人資料只作「科學導賞挑戰賽」之用，並只會存檔於香港太空館作記錄。根據《個人資料（私隱）條例》(第 486 章)第 18 及 22 條及附表 1 第 6 原則的規定，閣下有權要求查閱及改正本表格所載的個人資料。收集所得的個人資料會於比賽結束後一年內銷毀。

The personal data provided in this form will be used for the "Science Docent Challenge" only and kept by the Hong Kong Space Museum solely for record purpose. You have the right to request access to and correction of personal data as stated in this form in accordance with Sections 18 and 22 and Principle 6 of Schedule 1 of the Personal Data (Privacy) Ordinance (Cap. 486). The personal data collected will be destroyed in one year after completion of the contest.

- 11) 如有查詢，請電郵至 acoslib@lcsd.gov.hk。

For enquiries, please email to acoslib@lcsd.gov.hk.