

Science Docent Challenge

Overview

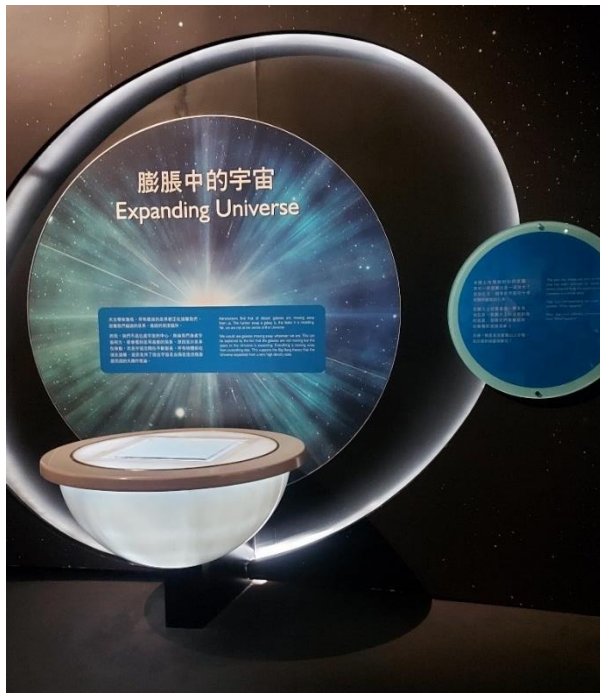
The Science Docent Challenge is jointly organised by the Hong Kong Space Museum and the Department of Physics, The Chinese University of Hong Kong (CUHK). It aims at sparking students' interests in astronomy and enhancing their science communication skills. In this contest, the Organisers have selected 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

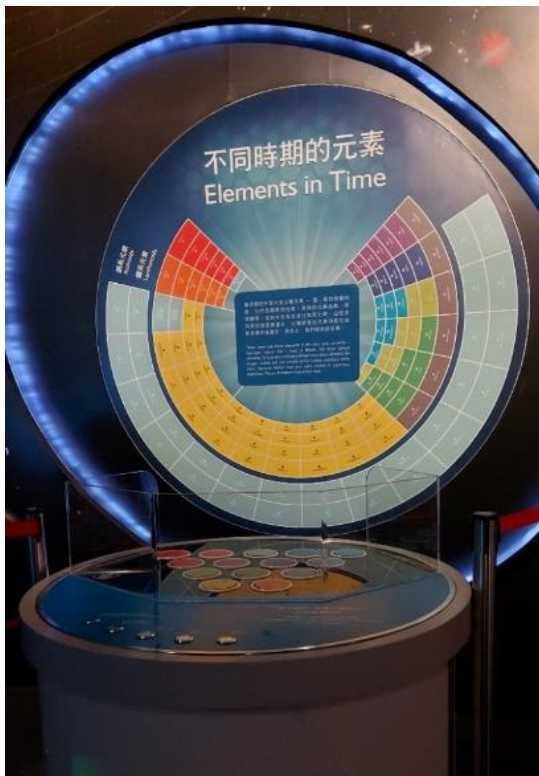
(1) Expanding Universe



(2) Breaking Symmetry



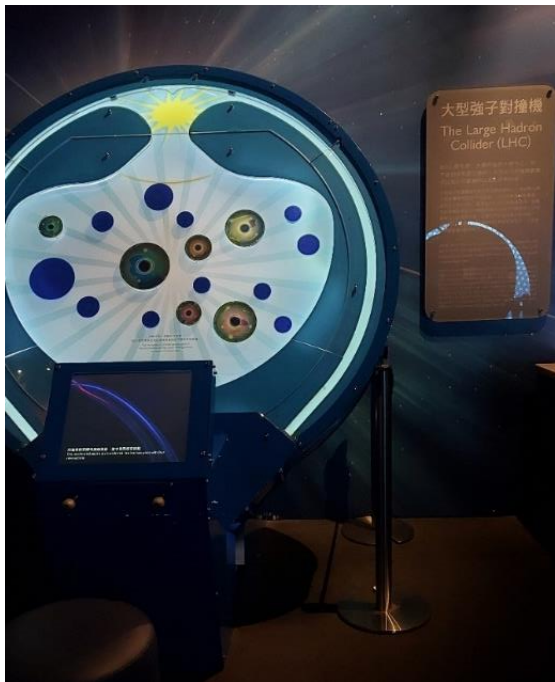
(3) Elements in Time



(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 5:00pm.

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 5:00pm 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)