

Science in Action: Experiential Learning Activities on the Testing and Certification Industry for Secondary Students (2025/26)

Aim / Objective

This is to invite secondary schools to encourage their students to participate in the captioned event.

Details

2. The Education Bureau (EDB), The Industry Training Advisory Committee for Testing and Certification Industry under Hong Kong Qualifications Framework (HKQF) and Hong Kong Council for Testing and Certification (HKCTC) jointly organise the “Science in Action: Experiential Learning Activities on the Testing and Certification Industry for Secondary Students (2025/26)”. The activities of this event aim to enhance students’ understanding of the Testing and Certification (T&C) industry, potentially sparking their interest and aspirations in pursuing science studies and considering further development in the T&C industry. Meanwhile, the activities also aim to facilitate teachers to better guide their students in life planning, in particular regarding the articulation pathways in the T&C industry.

3. The activities include school talks, visits, and student workshops. For details, please refer to Appendix 17a-e. Schools interested in arranging the activities for their students are requested to complete the respective application forms at Appendix 17b-d and return it by fax to Science Education Section, EDB (Fax no.: 2194 0670) on or before the respective deadlines.

Contact Person

4. For enquiries, please contact Ms TAM Nga-ching of the Science Education Section, Innovation Technology Education Division, EDB on 3698 3439.

Science in Action: Experiential Learning Activities on the Testing and Certification Industry for Secondary Students (2025/26)

Details of the Activities

Introduction

“Science in Action: Experiential Learning Activities on the Testing and Certification Industry for Secondary Students (2025/26)” is jointly organised by the Education Bureau (EDB), The Industry Training Advisory Committee for Testing and Certification Industry under Hong Kong Qualifications Framework (HKQF) and Hong Kong Council for Testing and Certification (HKCTC). With a key objective of introducing the Testing and Certification (T&C) industry to secondary students and teachers, the activities are organised around the themes on food, clothing, housing and transport in relation to T&C and our daily living. These activities include (A) Student Workshop on Testing and Certification; (B) School Talk: Testing & Certification in Our Daily Living; (C) Student Activity: Visit to Laboratories / Organisations of the Testing and Certification Industry; and (D) Professional Development Programmes for Chemistry Teachers: (i) Visit to Laboratories / Organisations of the Testing and Certification Industry; (ii) Enriching Knowledge for the Chemistry Curriculum Series: Testing and Certification Industry (Web-based Course).

Aims

- To enhance teachers’ and students’ understanding about the latest development of the T&C industry, its career prospects and the articulation pathways;
- To facilitate teachers and students to appreciate the relevance of science study in secondary level to the T&C industry and thus our daily life and society;
- To encourage students to choose science subjects in senior secondary level; and
- To inspire students to commit to building solid basis of science knowledge and skills for further development in science-related career, especially in relation to the T&C industry.

Details of activities

Activity	Target Participants	Contents / Venue	Date
(A) Student Workshop on Testing and Certification	S5 students studying Chemistry	- Practical chemistry experiments related to pharmaceuticals and nutrition supplements - Introduction to degree programmes and career paths in T&C - Venue: Laboratory of Hong Kong Metropolitan University	Dec 2025 & Jun – Jul 2026

Activity	Target Participants	Contents / Venue	Date
(B) School Talk: Testing and Certification in Our Daily Living	S3 students	- Sharing of educational experiences by students pursuing degrees in T&C - Introduction to articulation pathways and career prospects of T&C industry - Venue: to be provided by the applicant school	Jan – Feb 2026
(C) Student Activity: Visit to Laboratories / Organisations of the Testing and Certification Industry	S4-S6 students studying Chemistry	- Guided tour to T&C related laboratories - Venue: Intertek Testing Services HK Limited / TÜV Rheinland HK Limited / Swire Coca-Cola HK Limited / Standards and Calibration Laboratory, the Innovation and Technology Commission	Jan – May 2026
(D) (i) Professional Development Programme for Chemistry Teachers: Visit to Laboratories / Organisations of the Testing and Certification Industry	Chemistry teachers	- Guided tour to T&C related laboratories - Venue: Standards and Calibration Laboratory, the Innovation and Technology Commission / Forensic Fingerprint Laboratory, the HK Police Force / Racing Laboratory, the HK Jockey Club	Mar - May 2026
(D) (ii) Enriching Knowledge for the Chemistry Curriculum Series: Testing and Certification Industry (Web-based Course)	Chemistry teachers	- Talks on the latest developments on green energy and food / textile testing by T&C practitioners - Venue: Live online mode	Mar 2026

**Science in Action: Experiential Learning Activities on the Testing and Certification
Industry for Secondary Students (2025/26)**

(A) Student Workshop on Testing and Certification

Application Form

(Deadline for application: 24 November 2025 (Mon))

Please return the completed application form on or before **24 Nov 2025 (Mon)** to Science Education Section, Education Bureau (Attn: Ms NC TAM) by FAX (Fax no.: 2194 0670).

The information of our school participating in the **Student Workshop on Testing and Certification** is as follows:

No. of participating students (S5)[#]: _____

Workshop Schedule[#] (6 repeating sessions)

(Please ☒ as appropriate)	Time Slot	Date	Time	Priority (If more than one time slot are chosen, please indicate order of preference.) [1 – most preferred]
☐	A	15 Dec 2025 (Mon)	2:30 pm – 5:00 pm	
☐	B	17 Dec 2025 (Wed)		
☐	C	23 June 2026 (Tue)		
☐	D	25 June 2026 (Thu)		
☐	E	13 July 2026 (Mon)		
☐	F	14 July 2026 (Tue)		

Remarks:

- Target participants are **S5 students** studying Chemistry. Schools may nominate up to **25 students** to participate in a workshop.
- Applications will be processed on a first-come, first-served basis.
- This student workshop is free of charge. However, schools are responsible for arranging and covering the cost of transportation for students.
- All students and teachers must adhere to the safety guidelines provided by the laboratory staff during the workshop.
- The application results of Time Slots A and B will be confirmed via email on or before **26 Nov 2025 (Wed)**, while those of Time Slots C to F will be confirmed via email on or before **9 Jan 2026 (Fri)**.

Name of School : _____

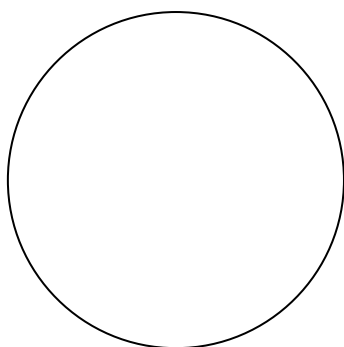
School Address : _____

School Tel. No. : _____ Fax No. : _____

Name of Teacher-in-charge : _____ (English) _____ (Chinese)

Contact No. of Teacher-in-charge : _____

Email Address of Teacher-in-charge : _____



School Chop

Name of Principal : _____

Signature of Principal : _____

Date : _____

**Science in Action: Experiential Learning Activities on the Testing and Certification
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(B) School Talk: Testing and Certification in Our Daily Living

Application Form

(Deadline for application: 5 December 2025 (Fri))

Please return the completed application form on or before **5 Dec 2025 (Fri)** to Science Education Section, Education Bureau (Attn: Ms NC TAM) by FAX (Fax no.: 2194 0670).

Remarks:

- The talks can be arranged in the period of **January to February 2026**.
- Applications will be processed with consideration of the availability of the speakers and on a first-come, first-served basis.
- The talks target to Form 3 Students. Each school talk will normally last for **ONE hour**, delivered in a face-to-face mode and conducted in Cantonese.
- Participating schools shall provide a venue in their school campus to accommodate the desired number of participating students.
- Schools are responsible for the venue setup such as seats, microphones, a computer, a projector and a screen etc.
- The application results will be confirmed via email on or before **17 Dec 2025 (Wed)**.

Our school would like to arrange the following school talk(s):

Theme	Date and time (Please write two possible dates and times: e.g. 23 Jan 2026, 2:15 pm – 3:15 pm)	No. of classes and students (e.g. 4 classes; 120 students)
Science in Action: Testing and Certification in Our Daily Life	1st priority: _____ 2nd priority: _____	No. of classes: ____ No. of students: ____

(B) School Talk: Testing and Certification in Our Daily Living – Application Form (Cont'd)

Name of School : _____

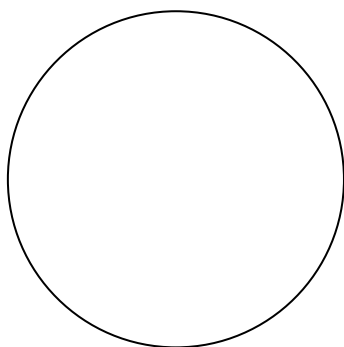
School Address : _____

School Tel. No. : _____ Fax No. : _____

Name of Teacher-in-charge : _____(English)_____ (Chinese)

Contact No. of Teacher-in-charge : _____

Email Address of Teacher-in-charge : _____



School Chop

Name of Principal : _____

Signature of Principal : _____

Date : _____

**Science in Action: Experiential Learning Activities on the Testing and Certification
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**(C) Visit to Laboratories / Organisations of the Testing and Certification Industry
for Students**

**Application Form
(Deadline for application: 5 December 2025 (Fri))**

Please return the completed application form on or before **5 Dec 2025 (Fri)** to Science Education Section, Education Bureau (Attn: Ms NC TAM) by FAX (Fax no.: 2194 0670).

Our school would like to join the following visit(s):

(Please ☒ as appropriate; you can select **one** only.)

☐ Visit to Intertek Testing Services Hong Kong Limited (Location: Lai Chi Kok)

About the visit:

For over 130 years, Intertek provides a fully integrated portfolio of Assurance, Testing, Inspection and Certification (ATIC) Services to clients worldwide.

During the visit, students will have the opportunity to explore the authentic environment of a commercial laboratory and observe the implementation of various testing techniques for a variety of consumer products.

Date and time of visit:

15 January 2026 (Thu), 2:30 pm – 4:30 pm

☐ Visit to TÜV Rheinland Hong Kong Limited (Location: Tsuen Wan)

About the visit:

TÜV Rheinland is a German-based corporation established more than 150 years ago. It delivers a wide spectrum of testing and certification services to its clients.

During the visit, students will have the opportunity to learn more about the real environment of a commercial laboratory, and the adoption of different chemical testing techniques for a range of consumer products.

Date and time of visit:

6 March 2026 (Fri), 2:30 pm – 4:30 pm

☐ Visit to Swire Coca-Cola HK (Location: Siu Lek Yuen, Shatin)

About the visit:

Swire Coca-Cola Limited has been serving Hong Kong for 60 years, offering a wide range of beverages including sparkling drinks, water, tea, juice, and sports drinks.

During the visit, students will have the opportunity to explore the beverage production process and learn how the company's quality assurance systems help ensure every drink meets safety and quality standards.

Date and time of visit:

17 April 2026 (Fri), 2:00 pm – 4:00 pm

☐ Visit to Standards and Calibration Laboratory (Location: Tseung Kwan O)

About the visit:

In modern society, calibration plays an essential role from industry to our daily life. The Standards and Calibration Laboratory (SCL) is the custodian of Hong Kong's reference standards of physical measurements and provides comprehensive accredited calibration services to users of measurement standards and measuring instruments to ensure measurement accuracy and metrological traceability to the International System of Units (SI).

During the visit, students will experience the real environment and the daily operation of SCL, and understand more about different calibration services SCL provides to users of measurement standards and measuring instruments.

Date and time of visit:

15 May 2026 (Fri), 2:30pm – 4:30pm

Number of participating students: _____ **Level of students:** _____

Number of participating teachers: _____

Remarks:

- A visit will normally last for **1.5 to 2 hours**
- The visits target to **S4-S6 students** studying Chemistry. Schools may nominate up to **23 students** and **2 teachers** to participate in each visit.
- Applications will be processed on a first-come, first-served basis.
- The visits are free of charge. However, schools are responsible for arranging and covering the cost of transportation for students.
- All students and teachers must adhere to the safety guidelines provided by the laboratory staff during the visit.
- The application results will be confirmed via email on or before **17 Dec 2025 (Wed)**.

Name of School : _____

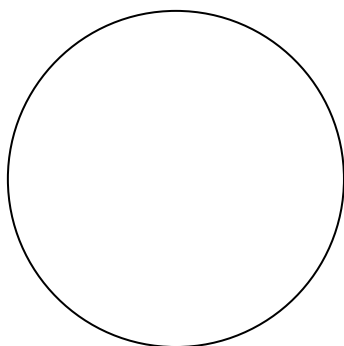
School Address : _____

School Tel. No. : _____ Fax No. : _____

Name of Teacher-in-charge : _____ (English) _____ (Chinese)

Contact No. of Teacher-in-charge : _____

Email Address of Teacher-in-charge : _____



School Chop

Name of Principal : _____

Signature of Principal : _____

Date : _____

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(D) Professional Development Programme for Chemistry Teachers

Chemistry teachers of secondary schools can apply for the following professional development programme through Training Calendar System (TCS) [#]:

(i) Visit to Laboratories / Organisations of the Testing and Certification Industry

Course ID	Course content	Visiting venue	Date
CSD020260114	• Introduction to services of Testing and Certification (T&C) • Introduction to career prospects and articulation pathways of T&C industry • Guided tour to different laboratories	Standards and Calibration Laboratory, the Innovation and Technology Commission (Location: Tseung Kwan O)	19 March 2026 (Thu)
		Forensic Fingerprint Laboratory, the Hong Kong Police Force (Location: Wanchai)	21 April 2026 (Tue)
		Racing Laboratory, the Hong Kong Jockey Club (Location: Shatin)	28 May 2026 (Thu)

(ii) Enriching Knowledge for the Chemistry Curriculum Series: Testing and Certification Industry (Web-based Course)

Course ID	Course content	Date
CSD020260117	• Role of the testing and certification industry on green technology and sustainability • Food testing / textile & garment testing	March 2026

The course will be posted onto TCS in due course.