

9 July 2025

Education Bureau Circular No. 14/2025
Supplement to the Science Education Key Learning Area Curriculum Guide
Science (Secondary 1 – 3) Curriculum Framework

[Note: This circular should be read by-

- (a) Supervisors/Heads of all Government Schools, Aided Schools (including Special Schools), Caput Schools, Private Schools, and Schools under the Direct Subsidy Schemes – for action; and
- (b) Heads of Sections – for information.]

Summary

The purpose of this circular is to announce the release of the updated *Supplement to the Science Education Key Learning Area Curriculum Guide: Science (Secondary 1 – 3) Curriculum Framework (2025)* (hereafter referred to as the “Junior Secondary Science Curriculum Framework”) developed by the Curriculum Development Council (CDC) and to provide details about the related support measures.

Background

2. “The Chief Executive’s 2024 Policy Address” highlighted the promotion of STEAM (Science, Technology, Engineering, the Arts, and Mathematics) education at primary and secondary levels. The policy measures include the renewal of the junior secondary Science curriculum, strengthening the interface between the primary and secondary levels for enhancing students’ scientific thinking and fostering innovation.

3. The Committee on Science Education under the CDC set up the Ad Hoc Committee for the Revision of Science (Secondary 1-3) Curriculum (hereafter referred to as the “Ad Hoc Committee”). The Ad Hoc Committee was tasked with the revision of the Junior Secondary Science Curriculum Framework. In December 2024, the Education Bureau (EDB) issued a circular to all secondary schools to announce the Junior Science Curriculum Framework (Consultation Draft) developed by the CDC. After thorough deliberation on the feedback collected from stakeholders, the Ad Hoc Committee refined the Junior Secondary Science Curriculum Framework and submitted the final draft to the CDC Committee on Science Education in May 2025. The updated Curriculum was endorsed by the CDC in June 2025.

Details

Updated Junior Secondary Science Curriculum Framework

4. The final draft of the updated Junior Secondary Science Curriculum Framework has been uploaded to the EDB webpage (<https://www.edb.gov.hk/jss>). The updated curriculum will be implemented starting from the 2027/28 school year at Secondary 1, and will be progressively extended to other levels. Schools may pilot the implementation of updated curriculum learning contents starting from the 2025/26 school year at the earliest.



5. With the rationale of “Enhancing Scientific Literacy, Fostering the Spirit of Innovation”, the updated curriculum aims to strengthen students’ scientific literacy and reinforce the interface between primary and junior secondary science education. It promotes a coherent nine-year basic science education, providing the foundational scientific knowledge and learning experiences needed for senior secondary studies, catering to students’ diverse learning needs.

Support Measures

6. The EDB will provide relevant support measures for schools to facilitate the implementation of the updated Junior Secondary Science Curriculum and to enhance teachers’ strategies for learning, teaching and assessment.

(a) Junior Secondary Science Professional Development Programmes (PDPs) for Curriculum Leaders and Teachers

A series of PDPs will be organised for curriculum leaders and teachers to enhance their capability for planning and implementing the updated Junior Secondary Science Curriculum. The PDPs will cover a range of themes, including understanding and interpreting the Curriculum; learning and teaching strategies; designing quality science assessment tasks; using digital education tools (including the use of artificial intelligence); and Science laboratory safety and management.

(b) Teacher Network Activity

In the 2025/26 school year, the EDB will launch the “Science (S1-3) Teacher Network”. Regular network activities, such as focus group meetings, workshops, and experience sharing sessions, will be arranged. By participating in the Teacher Network, teachers will become more familiar with the learning and teaching strategies for implementing the updated curriculum. For details of the Teacher Network and the application arrangements, please refer to **Appendix 1**.

(c) Learning and Teaching Resources

In collaboration with tertiary institutions, professional bodies and experienced science teachers, the EDB has developed a series of learning and teaching resources, including lesson worksheets, assessment tasks, and examples of practical activities, for teachers' reference. Teachers may adapt these activities to suit the interest and needs of their students. These supporting materials are available on the EDB webpage: <https://www.edb.gov.hk/jss>



Briefing Session

7. To facilitate schools' understanding of the rationale, learning objectives, curriculum structure, and the related learning and teaching arrangements of the updated Junior Secondary Science Curriculum, an online briefing session will be held. The details are as follows:

Date: 27 August 2025 (Wednesday)
Time: 2:30 p.m. to 4:30 p.m.



Schools are cordially invited to nominate teachers to attend the aforementioned briefing session. Teachers can register through the Training Calendar System of the EDB (Course Code: CSD020250678).

Enquiries

8. For enquiries, please contact Mr TSE Bun-luen, Tim of the Science Education Section, EDB on 3698 3441.

Dr William LAM
for Secretary for Education

Science (S1-3) Teacher Network

Content

To tie in with the implementation of the updated Junior Secondary Science Curriculum and to strengthen professional exchange among junior secondary science teachers, the Education Bureau (EDB) will launch the “Science (S1-3) Teacher Network” in the 2025/26 school year. Schools may join as a “Network School” or “Participating School”, and arrange teachers to participate in the network activities, such as focus group meetings, workshops, and experience sharing sessions organised by the Science Education Section, EDB. Through the network activities, it is expected that teachers could enhance their understanding of the curriculum emphases, lesson planning and the relevant learning and teaching strategies.

Upon being selected as a “Network School” or “Participating School”, schools are advised to make appropriate arrangements for delegating teachers to participate in the following professional development activities:

Arrangement for Schools Joining the Teacher Network	
Network School	- Schools should arrange teachers to collaborate closely with the officers from Science Education Section as appropriate for the planning of learning and teaching activities related to the updated curriculum. - To facilitate the professional exchange among teachers, sharing session(s), open lesson(s) or other network activities are expected to be conducted by Network Schools to share the teaching experiences or strategies with teachers from other schools.
Participating School	- Schools should arrange teachers to join the network activities to facilitate the sharing of experiences in and the provision of feedback about implementing the updated curriculum. - Participants may try out teaching strategies disseminated in the Teacher Network in their schools. Sharing sessions and open lessons may be arranged among teachers for sharing of insights gained from their participation in the network activities.

Enrolment

Schools interested in joining the Teacher Network should return the completed school application form (**Appendix 1**) by mail or fax to Science Education Section, EDB on or before 29 August 2025 (Friday). The quota for “Network School” is capped at 30. The EDB will make reference to the information submitted by schools and take into consideration different factors, including the schools’ preference in joining the Teacher Network, teaching experience of the school personnel, etc, before arriving at final decision of selection. Selected schools will be notified by post in October 2025.

Enquiries

For enquiries, please contact Mr TAM Ho-lun, Jacky of the Science Education Section, EDB on 3698 3452.

To : Science Education Section, Curriculum Support Division, EDB
Address: Room E232, 2/F, East Block, Kowloon Tong Education Services Centre,
19 Suffolk Road, Kowloon Tong, Kowloon
Fax number: 2194 0670

“Science (S1-3) Teacher Network”
School Application Form
(Application Deadline: 29 August 2025)

We intend to enrol in the “Science (S1-3) Teacher Network”. The details are as follows:

Name of School: _____

School Tel. No.: _____ School Email Address: _____

Name of Teacher-in-charge: [#] Dr / Mr / Ms _____

Contact No. of Teacher-in-charge: _____

Position Held of Teacher-in-charge: _____

Email Address of Teacher-in-charge: _____

Teachers Nominated

Name	Position	Years of Experience in Teaching JS Science	Email Address

1. Intended mode of participation

[Please indicate and number (1-2) your preferred modes of participation. (with “1” being the most preferred.)]

☐ Network School ☐ Participating School

2. The total number of JS Science periods per week (Each Class)

S1 : _____ periods S2 : _____ periods S3 : _____ periods

3. The number of JS Science practical periods per week (Each Class)

[Remark: A practical period conducted as a double lesson will be counted as two periods.]

S1 : _____ periods S2 : _____ periods S3 : _____ periods

4. The duration of each period in JS Science

_____ minutes per period

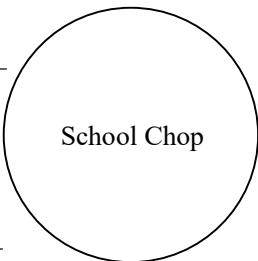
5. In 2024/25 s.y., my school has participated in the following programmes / activities organised by the EDB: [Please check the appropriate box(es).]

- ☐ Junior Secondary Science Online Self-learning Scheme
- ☐ Science (S1-3) STEAM Learning Module Teacher Network
- ☐ “AI for Science Education” Funding Programme
- ☐ Hong Kong Student Science Project Competition

Name of Principal : #Dr / Mr / Ms _____

Signature of Principal : _____

Date : _____



Please delete as appropriate.