

Education Bureau Circular Memorandum No. 115/2026

From : Secretary for Education To: Heads of Government, Aided (including
Special schools), Caput and Direct Subsidy
Scheme Secondary Schools

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Promoting Aerospace Science Education in Primary and Secondary Schools — Aerospace Science Education Video Series and Recommendations on Aerospace-related Visit Activities

Summary

This circular memorandum aims to inform all primary and secondary schools about the learning and teaching resources of the Aerospace Science Education Video Series.

Background

2. The Education Bureau (EDB) continues to promote science and innovation technology education in schools through curriculum optimisation, provision of diversified learning activities and enhancement of resource support, with the aim of boosting students' interest in innovation technology, strengthening their scientific literacy, and developing their problem-solving capabilities and innovation spirit. The newly introduced Primary Science subject in the 2025/26 school year and the updated Junior Secondary Science curriculum both incorporate innovation technology and aerospace science learning content, enriching students' learning experiences in innovation technology.

3. In light of the successful launch of China's Shenzhou-23 manned spacecraft and the first participation of Hong Kong payload expert in our country's manned space programme, the EDB has produced a new series of aerospace science education videos to further enhance the learning atmosphere for aerospace science. The EDB also introduces aerospace-related student visit activities to schools, so as to enhance students' understanding of our country's development in aerospace science and technology, as well as Hong Kong's contributions to our country's aerospace programme and scientific research.

Details

4. Schools are encouraged to make full use of the above-mentioned aerospace science education videos and to utilise relevant community resources effectively to promote aerospace education in schools.

Aerospace Science Education Video Series

5. The aerospace science education videos, jointly developed by the Science Education Section and Curriculum Resources Section of the EDB for different Key Stages, cover aerospace-related learning content aligned with the Primary and Secondary School Science Curricula, including the scientific principles of aerospace engineering, space science and space environment, as well as the science related to astronauts' life in space. Special thanks are given to Dr PUN Chun-shing from the Department of Physics at the University of Hong Kong, Dr SO Chu-wing, curator from the Hong Kong Space Museum, and Professor YU Hongyu from the Department of Mechanical Engineering at the Hong Kong Polytechnic University, who served as guest speakers on different topics. The relevant details of the videos are as follows:

Topic	Speaker	Curriculum Link
Shenzhou-23: Stepping into Our Country's Aerospace Era 	Dr PUN Chun-shing Department of Physics The University of Hong Kong	<u>Primary Science:</u> “Aerospace and Innovation and Technology” and “Aerospace Technology Development of Our Country and the World”
Space Exploration 101 – Decoding the Sea of Stars: From Hong Kong Payload Expert to Tiangong Space Station 	Dr SO Chu-wing (Curator) Hong Kong Space Museum	<u>Junior Secondary Science:</u> “Earth and Space –Space Exploration Programme by Our Country”
From Newton to Tiangong: Shenzhou-23 Ignites Physics Dreams 	Prof YU Hongyu Department of Mechanical Engineering The Hong Kong Polytechnic University	<u>Senior Secondary Physics:</u> “Astronomy and Space Science”

6. The aerospace science education videos are available on the EDB Educational Multimedia (EMM) Platform (<https://emm.edcity.hk/>). Teachers can flexibly make use of the videos to design diversified teaching activities, including arranging students to watch the videos in science lessons to deepen their learning; organising extended learning activities, such as project learning after watching the videos, scientific inquiries, model-making, and other activities to consolidate their knowledge of aerospace science, and encouraging students to watch the videos during holidays for self-directed learning to enhance their interest and curiosity in science and aerospace technology.

Recommendations on Aerospace-related Visit Activities

7. The EDB also encourages schools to organise diversified student learning activities, such as visits to exhibitions at the Hong Kong Space Museum and participation in aerospace-related activities at the Patriotic Education Centre. Visit activities at the Hong Kong Space Museum include the exhibition "A Voyage to Space – China's Manned Space Journey", and the permanent exhibition such as "Moon | Mars Virtual Reality", enabling students to further learn about the participation of Hong Kong payload expert in the Shenzhou-23 space mission and to deepen their understanding of aerospace science and the research projects by our country and Hong Kong research teams. The Hong Kong Base for Aerospace Science Education at the Patriotic Education Centre also features different aerospace-related exhibits and learning zones, enabling students to understand the breakthroughs and achievements in the country's aerospace technology. For details of the above exhibitions, please visit the following websites:

Hong Kong Space Museum:

<https://hk.space.museum/en/web/spm/home.html>

Hong Kong Base for Aerospace Science Education, Patriotic Education Centre :

<https://hkpec.hk/article/759?mid=9&m=1023709217997&s=2701580658450>

Enquiries

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