

EDB holds sharing session on “Use of Artificial Intelligence for Enhancing Teaching Effectiveness in Science (Secondary 1-3)” and launch of AI for Science Education Funding Programme (with photos)

The Education Bureau (EDB) today (June 9) held a sharing session on the "Use of Artificial Intelligence for Enhancing Teaching Effectiveness in Science (Secondary 1-3)" to explore and share how AI can be used to foster pedagogical innovations, thereby enhancing teaching effectiveness, and the launch of the AI for Science Education Funding Programme at the Education Bureau Kowloon Tong Education Services Centre.

The Under Secretary for Education, Dr Sze Chun-fai, officiated at the launch with the chairpersons of the Committee on Professional Development of Teachers and Principals, the Quality Education Fund (QEF) Steering Committee, the Association of Principals of Government Secondary Schools, the Hong Kong Subsidized Secondary Schools Council, and the Hong Kong Direct Subsidy Scheme Schools Council. Speaking at the event, Dr Sze said that in order to tie in with the national strategy of invigorating the country through science and education, and the promotion of digital education development in recent years, the Chief Executive has put forward a number of key initiatives to step up the promotion of digital education in the 2024 Policy Address.

He said that under the AI for Science Education Funding Programme, the QEF would provide funding of \$100,000 to each applicant school for arranging professional training for teachers, implementing AI-empowered classroom teaching, promoting the application of AI in different learning scenarios, as well as enhancing adaptive learning among students. The programme has received an overwhelming response, with over 220 publicly funded secondary schools participating, reflecting that the school sector is actively seizing the opportunity to make good use of AI to assist teaching.

Dr Sze said that the EDB will continue to arrange AI-related training for teachers and support schools in developing AI-empowered teaching through various measures, such as producing learning and teaching examples and arranging sharing by experts, with a view to promoting pedagogical innovations and enhancing students' learning effectiveness. He expressed his hope for schools, teachers, different stakeholders and the EDB to work together to continuously explore the myriad possibilities of integrating AI into teaching, and to provide students with personalised and more forward-looking learning experiences.

During the sharing session, experts and scholars delivered keynote

speeches on how to use AI to provide adaptive learning and conduct scientific inquiries to help inspire participants from theory to practice. Participating teachers also shared their school-based experiences on using AI platforms in junior secondary science, demonstrating how AI technology can be used to enhance teaching effectiveness. In addition, the event also featured an "AI × Science" demonstration session for participants to experience firsthand the application of AI in science teaching, creating a lively atmosphere. The sharing session attracted over 300 participants, including representatives from tertiary institutions, secondary school principals and teachers to witness the achievements and future potential of AI-empowered teaching.

For details on the sharing session and the AI for Science Education Funding Programme, please visit the programme's webpage (www.edb.gov.hk/aiforsci).

