Plan for “AI for Science Education” Funding Programme (2025-2026)

The following table outlines the budget allocation and planned activities for the $100,000 "AI for Science Education" grant awarded to the school. The plan includes teacher training, school-based support for AI teaching and learning, and optional offline LLM setup services.

Item No.	Item/Activity	Description	Timeline	Remarks
1	AI Teacher Training (CUHK CLST)	Two teachers participated in AI training courses organized by the Centre for Learning Sciences and Technologies (CLST) at CUHK, focusing on integrating AI into education. Courses included workshops on generative AI applications, AI in subject-specific teaching, and ethical issues in AI education.	May-June 2025	Completed training for 2 teachers to enhance AI integration in teaching.
2	Additional AI Training Course for Teachers	Further professional development for teachers through CLST’s AI-related courses, such as "Trends and Prospects: Educational Applications of Generative AI" and subject-specific AI teaching workshops (e.g., Mathematics, English, Chinese). Aims to strengthen teachers’ ability to use AI in inquiry-based learning.	July-December 2025	To be arranged with CUHK CLST or other courses by other universities for additional teacher participation.
3	AI Teaching and Learning (School-Based Support)	School-based support provided by CUHK, including: - Review of teaching resources (2 sessions, 2 hours each, total 4 hours) - Co-planning session (1 session, 2 hours) or experience-sharing workshop (school-based or external) - Observation and evaluation support for open/demo lessons (1 session) - Provision of 4 GPT-4o (or equivalent) API keys for teachers to use during support period. Objectives: Optimize AI-based teaching resources for the "AI for Science" project, enhance teachers’ ability to use AI in science education, develop AI-integrated teaching materials for junior secondary science, and foster students’ innovation and problem-solving skills.	August 2025 - June 2026	CUHK
4	Optional: Offline LLM Setup Service	Installation and configuration of an offline Large Language Model (LLM) using a Mac mini M4 (or equivalent device). Benefits include enhanced data privacy, no recurring cloud costs, operability without internet, scalability, and customization for school needs.	August 2025 - June 2026	Requires participation in Item 3 (AI Teaching and Learning).