

Reshaping Education For a Technology-Enabled Future

Revolutionising Teaching & Learning About Technology (Hong Kong's Public K-12)

5 Project Pillars Key Requirements / Gaps

1. Curriculum Modernisation



- **Interdisciplinary Learning:** Expansive education on technology and its role beyond STEM/STEAM
- **Life Skills Education:** Prepare for real-world, practical challenges, e.g. digital citizenship, financial literacy, mental health, environment education, inclusive education etc.
- **Holistic Assessment:** Expand grading criteria outside of exams to include project-based performance, peer review, self-assessments, etc.
- **Hybrid Teaching & Learning (T&L):** Include partial digital & online learning for students' personalised learning experience. Factor in time for non-digital T&L in teacher training, e.g. immersive learning, soft skills, etc.

2. Teacher Professional Development (Upskilling)

- **Innovative Teaching Methodologies:** Targeted professional development programmes along different stages of a teacher's career.
- **EdTech Tools Adoption:** Continued support on adoption of tools, e.g. AI-driven learning platforms, VR, AR, etc. in/outside of classrooms.
- **Collaborative Learning Environments:** Opportunities to collaborate with peers and "new educators" from other fields, and sandbox environment for real-life application of technology education and understanding the social impacts of technology



3. Enhanced School-Industry Engagement



- **Workplace Exposure & Internships:** Enhance Business-School Partnership Programme (BSPP), formalise integration of employer site visits, internships, job shadowing, etc. into education system.
- **Curriculum Feedback:** Regular engagements with industry experts to stay relevant. Opportunities for teachers to engage with industry professionals via workshops, training, site visits, etc.
- **Resource Support:** Technological equipment, field learning programmes, donations, funding for school projects, volunteer programmes, etc.

4. Governance & Education Policy

- **Decentralisation vs. Standardisation of Curriculum:** School autonomy to design own curriculum, while ensuring sufficient training, upskilling, collaboration within and beyond industry. Appropriate funding and/or workarounds to support this.
- **Re-evaluation of Teacher Capacity:** Workflow efficiency, streamline administrative work, etc. to allow teachers' focus on student-related work
- **Stakeholder Engagement:** Include parents, students, and community in decision-making. Ensure buy-in of education reforms.



5. Funding Strategies

Subject to reforms and initiatives above. Examples of sources of funding:

- **Public-Private Partnerships**
- **Targeted Sources of Public & Private Funds** for resourcing and to encourage cross-sectoral partnerships for social innovation within and beyond the education system, e.g. SIE Fund, extension of Fund for Innovative Technology-in-Education (FITE), Quality Education Fund (QEF), etc.

