Support Measures on E-Learning Implementation

School Leaders Seminar for Primary and Special Schools
27 Jan 2016
A learning partner for students

**課室內適用的應用程式**
- 學生回應系統:
  - Nearpod
  - Edmodo
  - Socrative

**學習管理系統 / 平台**
- 討論區
- 習作
- 電子評估
- 翻轉課堂

**網上資源**
- Khan Academy
- 教城資源
- 教育局一站式平台

**電子教科書**
- 內容
- 多媒體
- 模擬
- 小測驗

**個人學習工具**
- 字典
- 相機
- Explain Everything
- PowerPoint

學生眼中的電子學習
True or False

e-learning = WiFi infrastructure?

e-learning = e-textbooks?

e-learning = BYOD?

e-learning = Replace current L/T practice?

e-learning = ????
A typical road map of implementing e-learning in schools

(1) Planning
- School’s mission and vision; Financial deployment*
- School’s infrastructure; Teacher training*; SDP
- Support from various stakeholders*; Task group

(2) Try-out
- Start with a few teachers who are more ready to adopt e-learning;
- Start with 1 - 2 subject(s) in a particular class level or certain activities

(3) Initial Implementation
- More subjects/teachers involved;
- Curriculum planning;
- e-resources

(4) Extensive Implementation
- Setup LMS/MDM;
- BYOD; Mobile devices;
- AUP; e-textbooks; e-assessment;
- Parents’ involvement

Adjustment

Goal

* On-going tasks

Learning Transformation:
Learning to Learn;
Life-long Learning (e.g. SDL, CL, IL)
Five Pillars of Implementing E-Learning Strategy in School Environment

Visionary Leadership

Highly Effective IT Learning Environment

Innovative Learning & Teaching

Continual Professional Development

Compelling Evidence of Success

Top Management Level

Middle Management Level

Middle Management And Classroom Level

All Levels
Building professional leadership, capacity and communities of practice

**Actions**

- Empowering e-leadership
- Enhancing professional development of teachers
- Rendering support services and building communities of practice
Support Measures for Schools on e-Learning

- On-site Support
- Professional Development Programme (PDP)
- Resources
IT in Ed Centre of Excellence (CoE) Scheme

Provide on-site supports to teachers on e-learning
IT in Ed Centre of Excellence (CoE) Scheme

Transforming CoE:

- To provide **district-based/territory-wide support**, and line up schools to form **communities of practice**
- To offer **KLA-based pedagogical support** as well as generic-based/theme-based support

**Approach:**

Peer Support; Train the trainer

12 CoE Sch last s.y.  ➔ 20 CoE Sch this s.y. (70% increase)
155 supports done last s.y. Vs 188 applications in Sep-Dec this s.y.
IT in Ed Centre of Excellence (CoE) Scheme

Observation / Feedback on e-learning implementation in schools:

• Supports useful and easy to understand;
• Teachers more confident in implementing e-learning;
• Schools more proactive in planning for e-learning;
• Teachers more ready to use tablet computers in L&T;
• More subject-based supports requested;
• Preferable to have lesson observation;
• IT coordinator is a key person;
• Great discrepancy of IT levels among teachers; and
• Some schools do not have a clear direction of implementation;
Great challenge – working with teachers of different levels of IT competency
What kinds of support/training can be provided by CoE?
Use of Locational-Based Learning System

<table>
<thead>
<tr>
<th>Usage:</th>
<th>To facilitate outdoor mobile learning and teaching, and field trip activities. It enhances the inquiry-based learning and student engagement.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example:</td>
<td>QR Code + Google Form, EduVenture</td>
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Use of Classroom Responses System

<table>
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<tr>
<th>Usage:</th>
<th>To promote an interactive and collaborative learning. It allows students to commit to answer in class and provide instant feedback to cater for learner diversity and facilitate assessment for learning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example:</td>
<td>Socrative, Plickers, Kahoot, Padlet, NearPod, Lino</td>
</tr>
</tbody>
</table>

*Socrative: Collect students’ instant feedback to facilitate AfL*  
*NearPod: Monitor students’ work to cater for LD*
## Use of Idea Presentation Apps

<table>
<thead>
<tr>
<th>Usage:</th>
<th>To create inspired presentation like mind mapping, video making, storytelling and idea sharing. Teachers can produce educational videos to implement the flipped classroom.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example:</td>
<td>Doceri, Popplet, Skitch, Screen chomp, Explain Everything, Prezi, Educreations</td>
</tr>
</tbody>
</table>

### Popplet: Visual Collaboration

- **Who?**
- **What?**
- **When?**
- **How?**
- **Where?**
- **Why?**

Poplet: Creating concept map together to facilitate co-construction of knowledge

### Doceri: Presenting students’ own ideas to make their thinking visible
Use of Learning Management System (LMS)/online platform

Usage: To integrate, create, share resources on the Cloud system and assess for learning with one centralized repository. Students and teachers can access the learning resources, communicate and collaborate at anytime and anywhere.

Assigning and collecting students’ assignment
On-line marking/ e-assessment
Sharing of students’ good work
Individual learning portfolio

Creating own google classroom
Collaboration platform for discussion/debate
Google Form for data collection/ online survey
Web site building

Free MS Office
Editing a document together
Production of on-line resources
Resources sharing
Use of Mobile Devices Management (MDM)

Usage: To facilitate schools to implement BYOD by assisting teachers to manage students’ use of their own tablets including allowing or not allowing students to use certain e-learning resources, e.g. e-textbooks, Apps, camera, recording function so as to reduce discipline problems and misuse of the devices.

Example: i-class, e-class
資訊科技卓越中心－到校支援個案

CoE 到校支援服務

籌備會議

全校教師培訓
- 讓每位老師經驗
- 刺激先導學科

培訓個別學科設計資訊科技教學

反思成果分享心得
KLA-based Support: Liberal Studies

例子：屯門及元朗區通識教育科學校網絡計畫
主辦：課程發展處通識教育組
協辦：區域教育服務處、資訊科技教育卓越中心
目的：
1. 善用無線網絡環境及流動學習裝置進行通識教育科互動探索式學習的成功策略
2. 通過流動學習裝置及相關應用程式 (Apps) 規劃區本考察活動的學校經驗分享

實地考察 - 從藍地到VCity看屯門的城市發展與規劃
KLA-based Support: Geography / Map Reading

Example： Augmented Reality Sandbox
Collaboration：CoE school and PSHE KLA in CDI
Objective：
To adopt an innovative IT equipment “Augmented Reality Sandbox” to facilitate the learning and teaching of Geography, and landscape and map reading in other subjects
The EDB ITE section will arrange CoE school to conduct the on-site support.

2015/16 ITE in Education Centre of Excellence (CoE) Scheme:
On site Support Services Application Form

Official Use: CoE

1. First time to apply for CoE On site Support Services? □ Yes □ No
Number of teacher participants __________

Proposed date of on-site support services
Option 1st Date: (Mon / Tue / Wed / Thu / Fri) Time: __________ AM / PM
Option 2nd Date: (Mon / Tue / Wed / Thu / Fri) Time: __________ AM / PM
Option 3rd Date: (Mon / Tue / Wed / Thu / Fri) Time: __________ AM / PM

Options for On site Support Services (Can choose ONLY one option from A, B, C or D & 5% Selected teachers of CoE Scheme will contact the applicant to conduct pre-meeting)

A. Support School Staff Development Day (Seminar or workshop, about 2 to 3 hours, recommend to choose no more than three hours)
- Introduction to use tablet computer Apps to facilitate classroom learning and teaching
- Introduction to use tablets to facilitate learning and teaching
- Introduction to Learning Management System (LMS)/Cloud Services
- Introduction to E-learning and e-safety issues (e.g. internet safety, healthy and ethical use of computing devices)
- Introduction to handle e-learning issues
- Other (Please specify)

B. Pedagogical support for individual subject (Choose ONLY one)
Please specify the class level
- Chinese Language (Secondary Level) □ Chinese Language (Primary Level)
- English Language (Secondary Level) □ English Language (Primary Level)
- Mathematics (Secondary Level) □ Mathematics (Primary Level)
- Liberal Studies (Secondary Level) □ Liberal Studies (Primary Level)
- Science and Technology (Secondary Level) □ Science and Technology (Primary Level)

C. Introduction to using IT to enhance the learning of students with special educational needs (SEN) (Seminar or workshop)

D. Technical Support
- Support for implementation of BYOD
- Support for setup cloud services (e.g. Office 365, Google Education etc)

Will available at the venue? □ Yes □ No

2. Tablet computers available? □ Yes □ No
Please specify the model and number of tablet computers available: __________

3. Briefly describe difficulties encountered by school in implementing e-learning and also the expected outcomes of this on site support activity:

Name of School: ____________________________ □ Primary □ Secondary □ Special School
Location: □ TSE □ TNW □ KY □ HK
Applicant: ____________________________ (Tel)
School code:
Email: ____________

Name of School Head: ____________
Signature of School Head: ____________
Date: ____________

資訊科技教育卓越中心網址
(中) http://www.edb.gov.hk/ited/coes
(Eng) http://www.edb.gov.hk/ited/coes/eng
TPACK Model (Technological Pedagogical Content Knowledge)

The PD framework is designed with reference to the TPACK model and categorized in consideration of the functions of the IT tools and the needs of different stakeholders.

- **CoE/ IT in Ed Section, CDI**
  - IT Sector
  - Technological Knowledge
  - E.g. IT infrastructure
  - Learning Management System
  - Mobile Devices
  - E-resources (e.g. e-textbooks, Apps, tools)

- **NGO**
  - Pedagogical Knowledge
  - E.g. Collaborative Learning
  - Self-Directed Learning
  - Field Trip Learning/WWL
  - Flipped Classroom
  - E-assessment
  - Catering for Learner Diversity

- **Tertiary Institutions**
  - Content Knowledge
  - In 8 KLAs
  - Information Literacy

- **All**

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**IT Sector**

- **Tertiary Institutions**
  - **CoE/ IT in Ed Section, CDI**
  - **NGO**

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Revised PD Framework to Provide Tailor-made PDP for Different Stakeholders

ITE Section planned to offer 400 PD events in 2015/16

(1) E-Leadership Series (For School Leaders/ Curriculum Leaders)
• Whole-school planning on e-learning (4 Mar, 11 Apr, 10 May)
• Implementation of BYOD (18 Feb, 23 Feb, 25 Feb, 8 Mar, 10 Mar)
• Curriculum Planning on e-learning

(2) Technological Series (For IT Head / IT Staff)
• School Infrastructure Setup (7 Mar, 19 Mar, 9 Apr, 23 Apr)
• Management of mobile devices (2 Feb, 16 Feb, 3 Mar)
• Administration of Learning Management System (21, 31 Mar)
• Use of tablet build-in functions (for teachers with less experience in e-learning)
(3) **Pedagogical Series (For ALL Teachers)**
- Use of Field Trip Learning System
- Use of Classroom Responses System
- Use of Learning Management System
- Use of Idea Presentation Apps
- Use of Online Platform

(4) **Subject related Series (For Subject Teachers)**
- Apps for Different Subjects
- Use of E-Textbook
- Mobile Learning for SEN Students or Special Schools
- Information Literacy Training
- Use of e-assessment tools

(5) **E-safety Series (For All Stakeholders)**
- Healthy and Ethical Use of Computing Devices and Internet (14 Mar)
- Information Literacy
Professional Development Programme on Prepare WiFi Subscription Services Quotation Documents

• EDB commissioned CAITE of CUHK to conduct this PDP

• 3 + 3 PDP, experience sharing on preparation and vetting of WiFi subscription services quotation documents, and conduction of User Acceptance Test (UAT)

• Application through TCS in first quarter of 2016

• Target participants: Teacher coordinators of 2016/17 WiFi900 schools
Resources & Information in ITE4 Website

- IT in Education Section (e.g. Wifi 900, CITG)
- e-learning Training Calendar
- Parents Corner
- Video Depository on e-learning
4 more sets are being developed under EMADS II B
Online E-Resources

EDB One-stop Portal for Learning & Teaching Resources

http://www.hkedcity.net/edbosp/
Video Clips on e-learning lessons and tools stored in EdCity

- Go eLearning (https://www.hkedcity.net/goelearning/)
- Award Scheme for e-Learning; Teacher TV (http://www.hkedcity.net/ttv/local/about/index.php)
- EdV (http://www.hkedcity.net/edv-award/cht/about.html)
Supporting schools and parents

“Play Your Part for a Better Internet” Campaign

– On-site parent seminars for schools;
– On-site booths for parents and students;
– Professional development programmes for teachers;
– Students’ activities on playing my part for a better Internet;
– Telephone/hotline and online support services for parents, teachers and students;
– Regular e-newsletters, videos, practical tips
Strengthen the understanding of parents on issues related to e-learning and e-safety.
<table>
<thead>
<tr>
<th>Date</th>
<th>District</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>17/10/2015 (Saturday) 2:00-5:30 pm</td>
<td>HK Island</td>
<td>True Light Middle School of Hong Kong</td>
</tr>
<tr>
<td>14/11/2015 (Saturday) 2:00-5:30 pm</td>
<td>NT East</td>
<td>PLK Chee Jing Yin Primary School</td>
</tr>
<tr>
<td>30/1/2016 (Saturday) 2:00-5:30 pm</td>
<td>NT East</td>
<td>Christian Alliance S W Chan Memorial College</td>
</tr>
<tr>
<td>12/3/2016 (Saturday) 2:00-5:30 pm</td>
<td>NT West</td>
<td>Buddhist Mau Fung Memorial College</td>
</tr>
<tr>
<td>16/4/2016 (Saturday) 2:00-5:30 pm</td>
<td>Kowloon</td>
<td>HK&amp; Macau Lutheran Church Primary School</td>
</tr>
<tr>
<td>21/5/2016 (Saturday) 2:00-5:30 pm</td>
<td>HK Island</td>
<td>Sacred Heart Canossian School</td>
</tr>
<tr>
<td>18/6/2016 (Saturday) 2:00-5:30 pm</td>
<td>Kowloon</td>
<td>SHK St Mary’s Church Mok Hing Yiu College</td>
</tr>
<tr>
<td>9/7/2016 (Saturday) 2:00-5:30 pm</td>
<td>NT West</td>
<td>Shak Chung Shan Memorial Catholic Primary School</td>
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Professional Development Programme for teachers
How to Enhance Parent Education on e-Learning

• Target audience: all teachers, preferably those involved in e-learning, guidance and discipline, and parent-teacher associations

• EDB has commissioned the Centre for the Advancement of Information Technology in Education (CAITE), CUHK to organise the PDPs.

• This course aims to enhance and strengthen teachers’ understanding on parents’ concerns on e-learning, skills to cater for their needs and know-how to bring in support to parents.

• CPD Hours: 3 hours.

• Application via Training Calendar System (TCS) is required. Course ID: EI0020150421
Technical Support Sharing Activities Provided by Professional Bodies

e.g. Association of IT Leaders in Education
http://www.aitle.org.hk
Learning and Teaching Expo 2016

- 8 to 10 December 2016 at Hong Kong Convention and Exhibition Centre
- All schools are welcome
- For school development day
PPT used in this seminar will be uploaded onto the “What’s New” of ITE webpage

http://www.edb.gov.hk/ited
Enquiry

The Fourth Strategy on IT in Education
• http://www.edb.gov.hk/ited/ite4

Wifi 900 information
• http://www.edb.gov.hk/ited/wifi900

Center of Excellence (CoE)
• http://www.edb.gov.hk/ited/coes

• Funding arrangement：3698 3606
• PDP：3698 3610
• CoE：3698 3596
• Technical advice：3698 4148 / 3698 3566