

Support Measures on E-Learning Implementation

School Leaders Seminar for Primary and Special Schools
27 Jan 2016

A learning partner for students



True or False

e-learning = WiFi infrastructure?

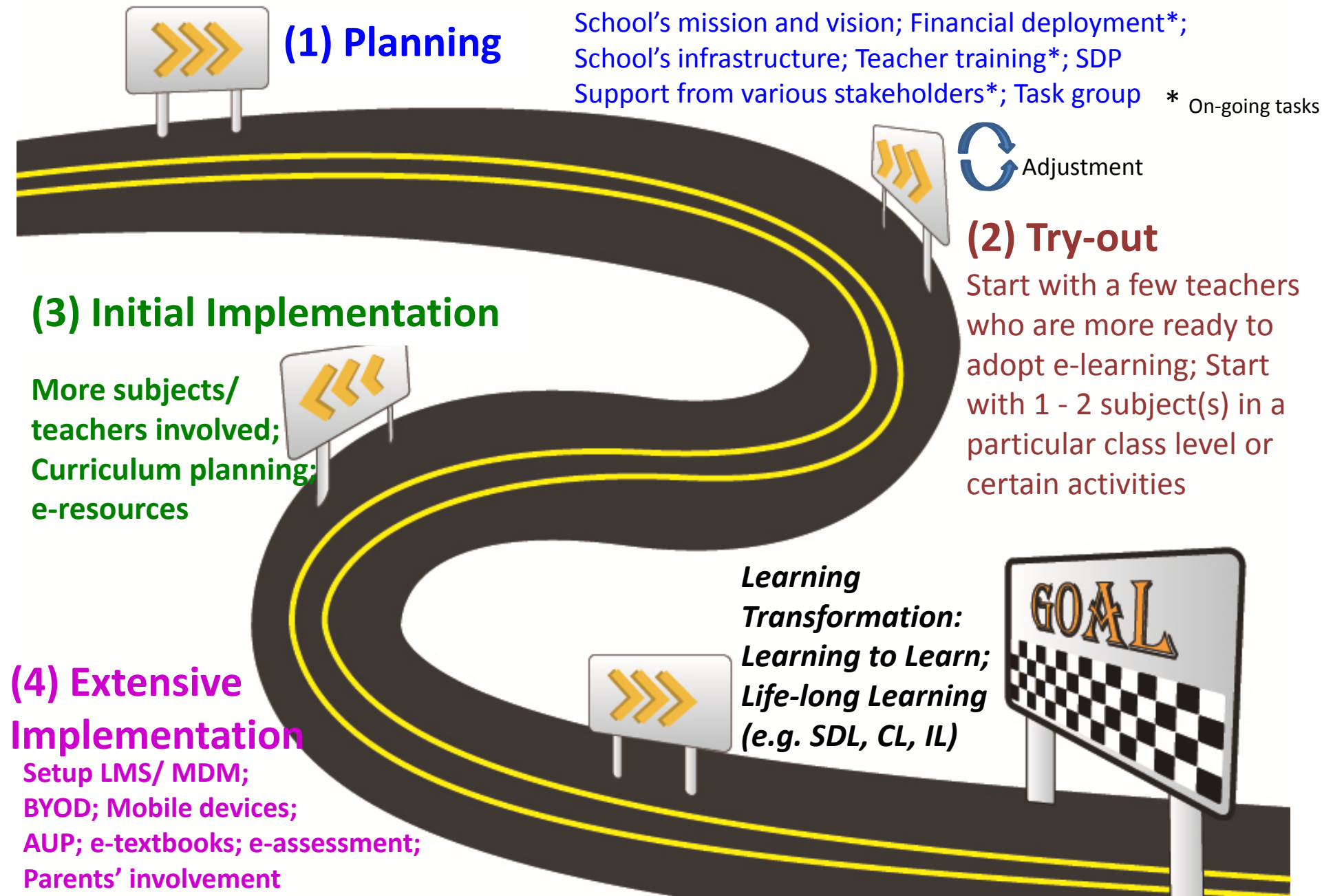
e-learning = e-textbooks?

e-learning = BYOD?

e-learning = Replace current L/T practice?

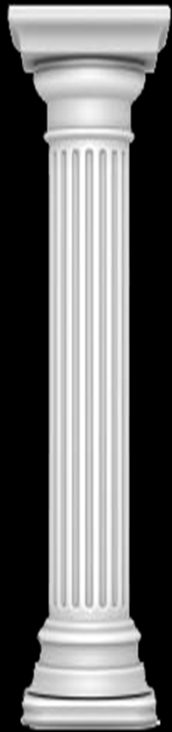
e-learning = ???

A typical road map of implementing e-learning in schools



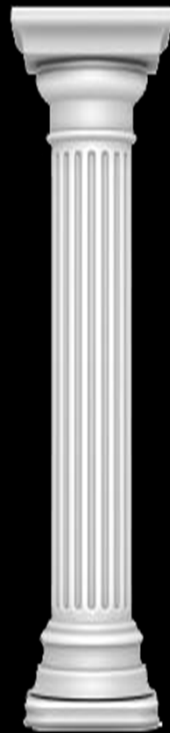
Five Pillars of Implementing E-Learning Strategy in School Environment

Visionary
Leadership



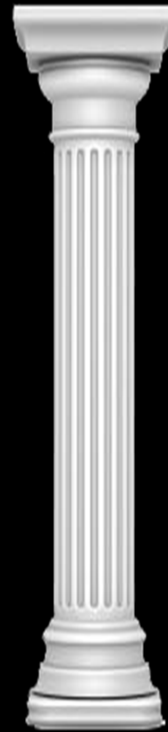
Top
Management
Level

Highly Effective
IT Learning
Environment



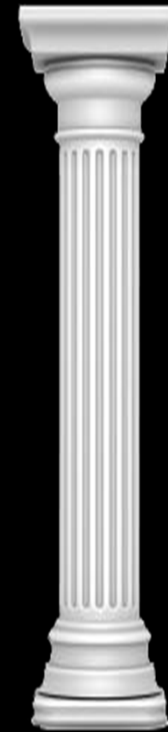
Middle
Management
Level

Innovative
Learning & Teaching

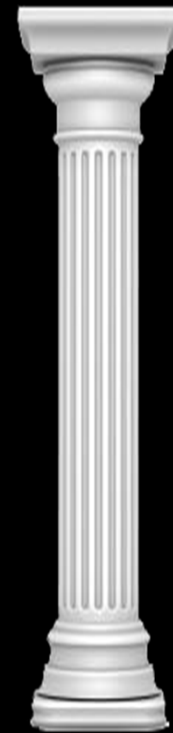


Middle Management
And
Classroom Level

Continual
Professional
Development



Compelling
Evidence of
Success



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

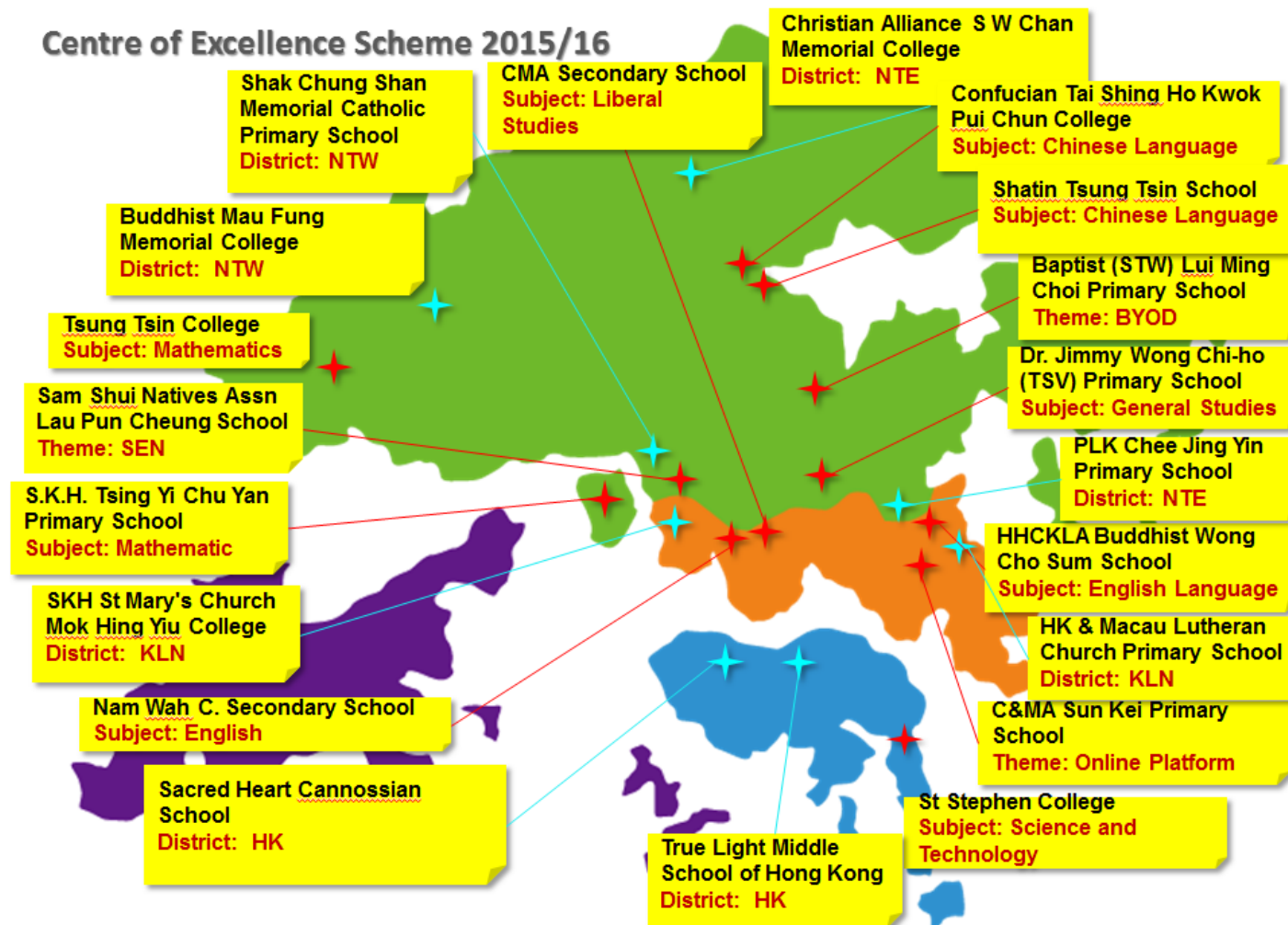


Support Measures for Schools on e-Learning

- 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)

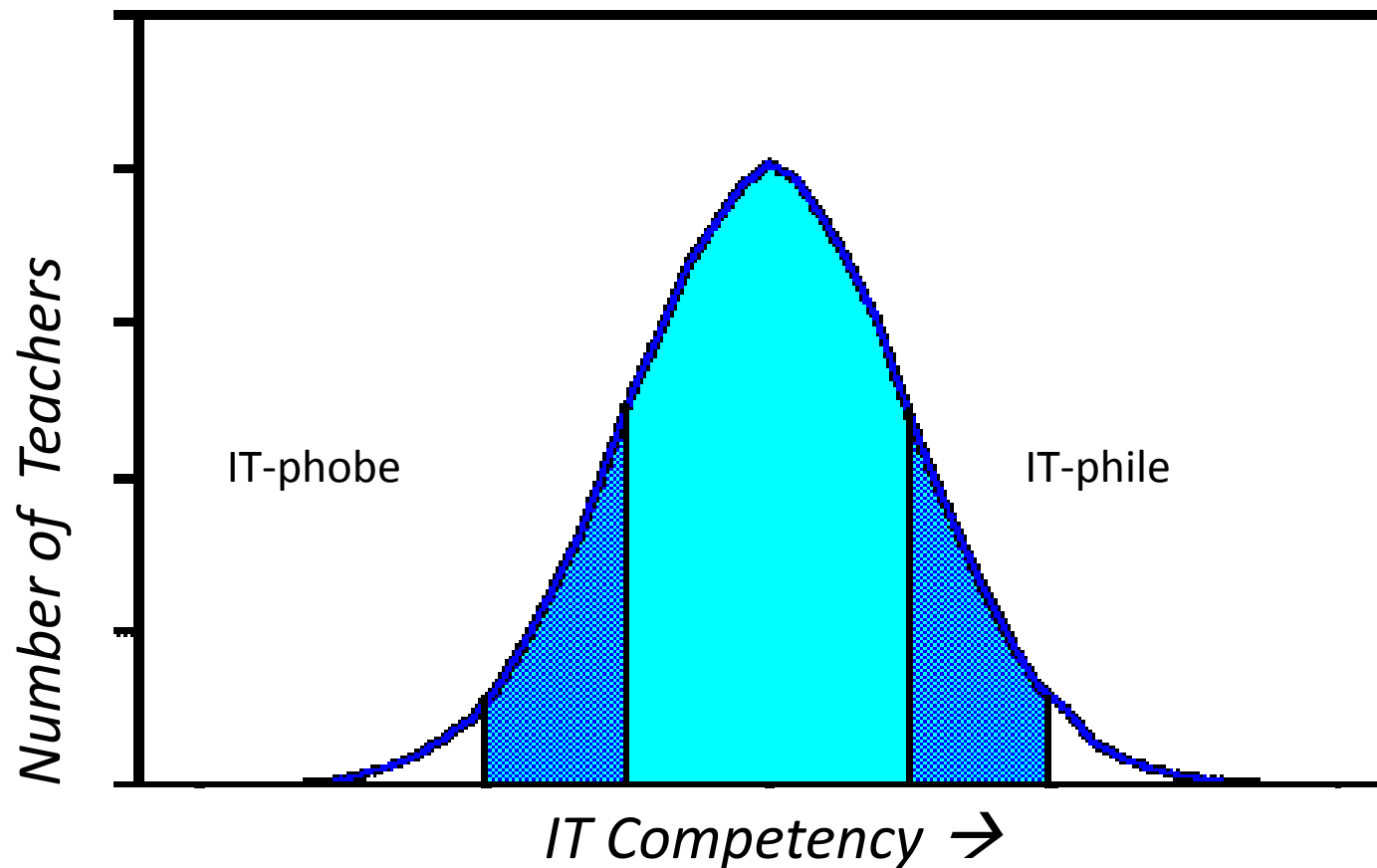
155 supports done last s.y. Vs 188 applications in Sep-Dec this s.y.

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

Usage:	To facilitate outdoor mobile learning and teaching, and field trip activities. It enhances the inquiry-based learning and student engagement.
Example :	QR Code + Google Form, EduVenture

Field trip using mobile devices and EduVenture for inquiry-based/project learning

Use of Classroom Responses System

Usage:	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
Example :	Socrative, Plickers, Kahoot, Padlet, NearPod, Lino

Question: What is the species of this organism?
Add Image



Remove Image

☐ Answer 1: Conolophus

☐ Answer 2: Conolophus Subcristatus

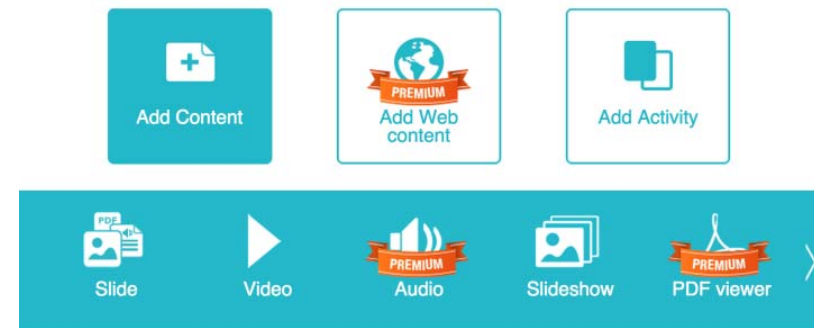
☐ Answer 3: Conolophus subcristatus

☐ Answer 4: Subcristatus

☒ Answer 5: subcristatus

Explanation: Optional

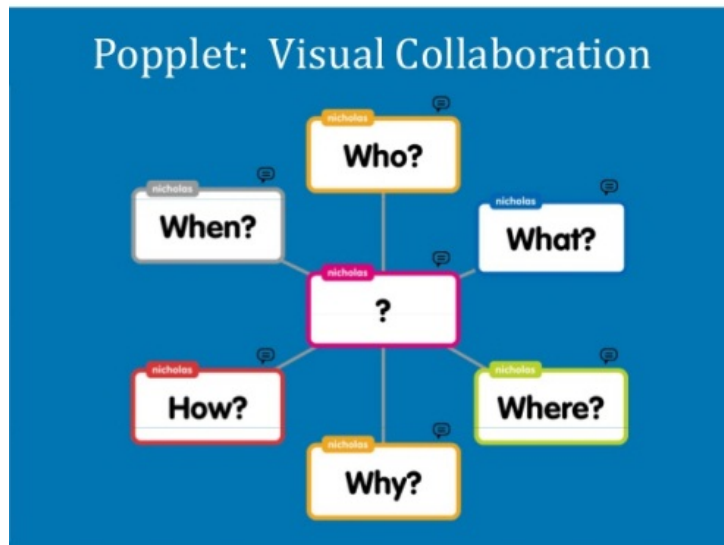
Socrative: Collect students' instant feedback to facilitate AfL



NearPod: Monitor students' work to cater for LD

Use of Idea Presentation Apps

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



Popplet: 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



Schoology



Google Apps



Office 365

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

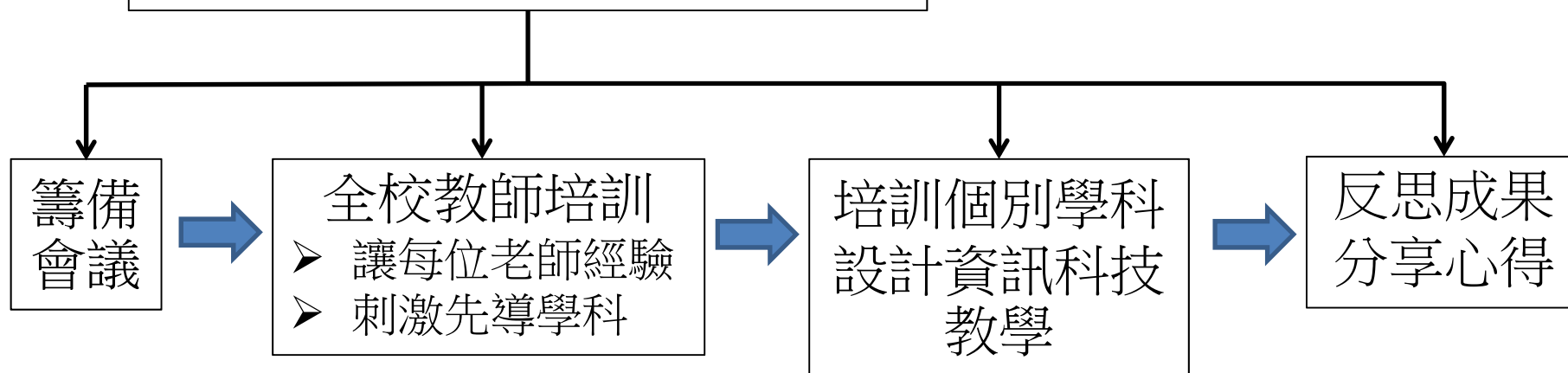
Use of Mobile Devices Management (MDM)

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



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

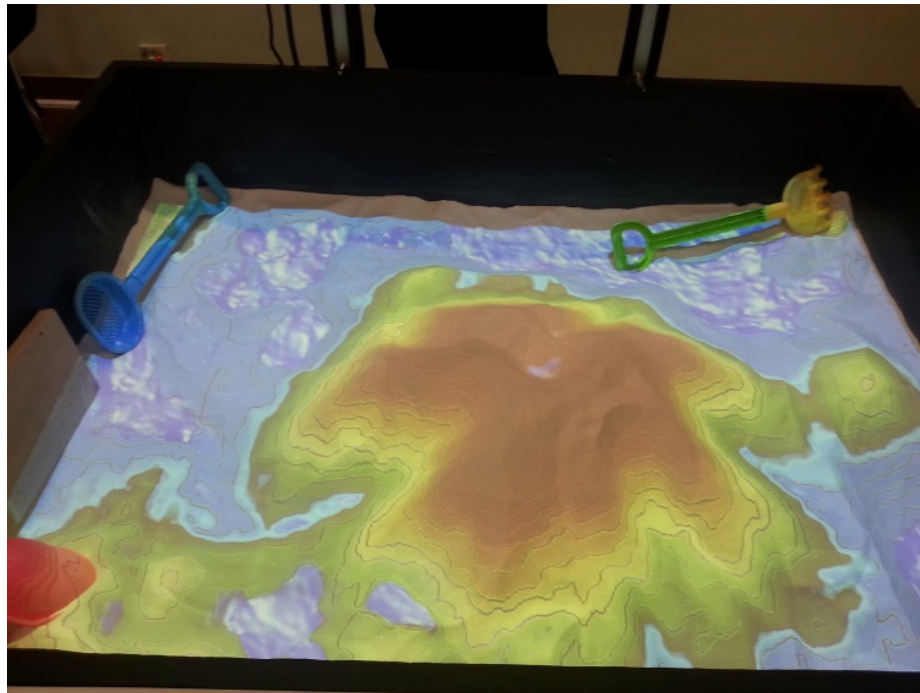
KLA-based Support: Geography / Map Reading

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 IT 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: _____										
2.	Proposed date of on-site support services Option 1* Date : _____ (Mon / Tue / Wed / Thu / Fri) Time : _____ AM / PM Option 2* Date : _____ (Mon / Tue / Wed / Thu / Fri) Time : _____ AM / PM Option 3* 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) : ## Seconded 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 not more than three items) ☐ Introduce how to use tablet computer Apps to facilitate classroom learning and teaching ☐ Introduce how to use build-in functions of tablet computers to facilitate learning and teaching ☐ Introduce how to use tablet computers to conduct mobile learning ☐ Introduce how to use Learning Management System (LMS) / Cloud Services Please specify : _____ ☐ Understand and handle e-safety issues (e.g. internet safety, healthy and ethical use of computing devices) ☐ Introduce how to promote information literacy and Creative Commons ☐ Share experience for curriculum planning on e-learning ☐ Other (Please specify) _____ ☐ B. Pedagogical support for individual subject (Choose ONLY one) Please specify the class level: <table border="0"> <tr> <td>☐ Chinese Language (Secondary Level)</td> <td>☐ Chinese Language (Primary Level)</td> </tr> <tr> <td>☐ English Language (Secondary Level)</td> <td>☐ English Language (Primary Level)</td> </tr> <tr> <td>☐ Mathematics (Secondary Level)</td> <td>☐ Mathematics (Primary Level)</td> </tr> <tr> <td>☐ Liberal Studies (Secondary Level)</td> <td>☐ General Studies (Primary Level)</td> </tr> <tr> <td>☐ Science and Technology (Secondary Level)</td> <td></td> </tr> </table> ☐ C. Introduce how to use 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) Please specify: _____	☐ 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)	☐ General Studies (Primary Level)	☐ Science and Technology (Secondary 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)	☐ General Studies (Primary Level)										
☐ Science and Technology (Secondary Level)											
3.	WiFi available at the venue? ☐ Yes ☐ No Tablet computers available? ☐ Yes ☐ No ☐ Yes Please specify the model and number of tablet computers available: _____										
4.	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 : ☐ NTE ☐ NTW ☐ KT ☐ HK

Applicant : _____ (Name) _____ (Tel) _____

Email : _____

Name of School Head : _____

Signature of School Head : _____

Date : _____

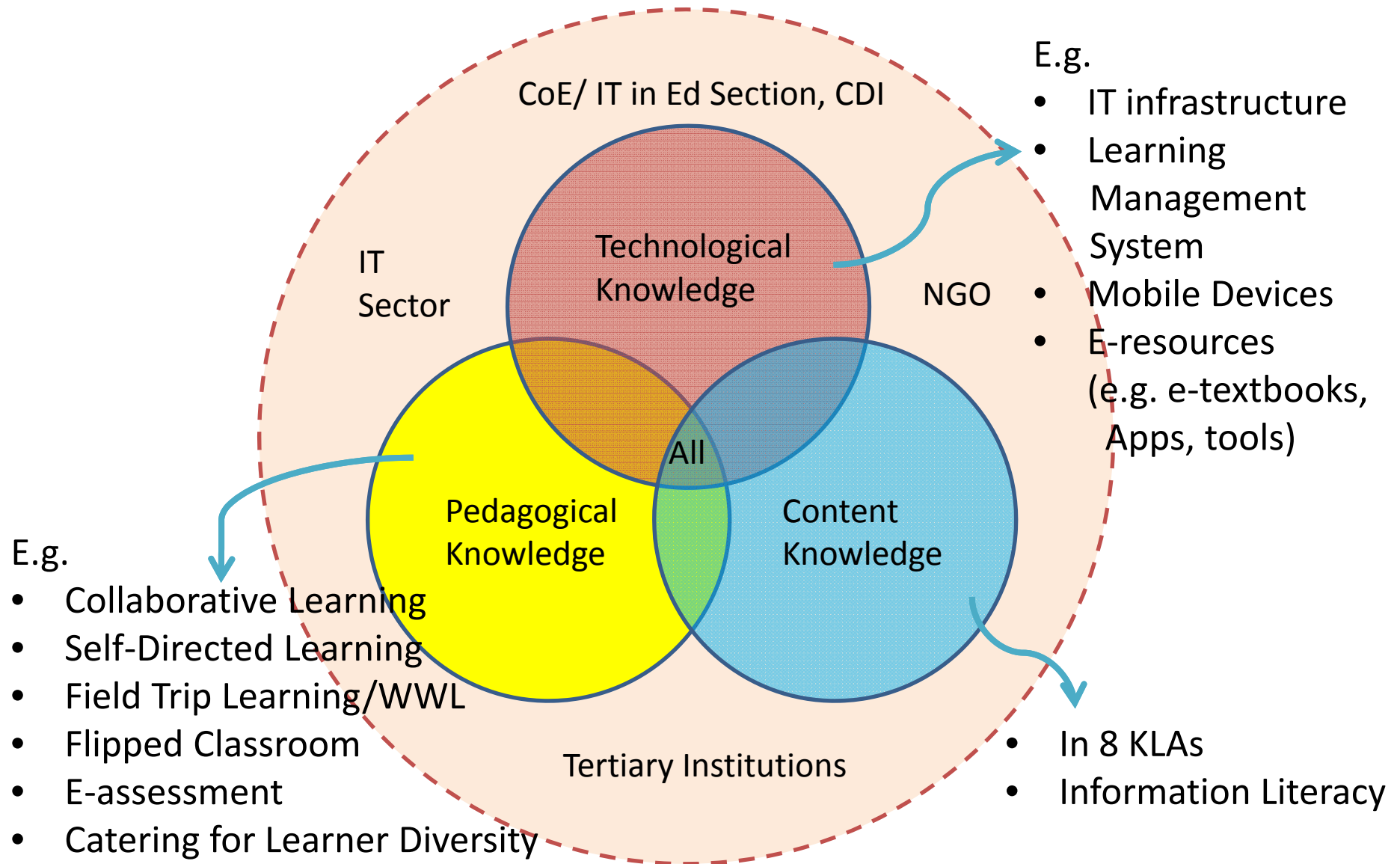
School chop



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



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



The screenshot displays the ITE4 website interface. The top navigation bar includes links for Home, IT in Education, Parents Corner, and Eduvision of e-Learning. The main content area features a large image of students using a computer, a sidebar with 'Good School Practices of e-Learning' and 'Professional Development Repository', and a central section titled 'The Fourth Strategy on Information Technology in Education'. This section describes the implementation of the Fourth Strategy on Information Technology in Education (ITE4) and lists references such as the 'First Strategy on Information Technology in Education' and the 'Second Strategy on Information Technology in Education'. On the right, there is a 'Professional Development Programmes for Teachers (e-Learning)' section, a 'Training Calendar' for December 2015, and a 'Centre of Excellence Scheme on ITE' section with a map of Hong Kong showing the locations of the CoE.

Home **IT in Education** **Parents Corner** **Eduvision of e-Learning**

Professional Development Programmes for Teachers (e-Learning)

Professional capacity is at the heart of effective learning and teaching. To support our school professionals, EDB will be providing a variety of professional development programmes on ITE to meet the needs of the school leading management, middle management and teachers to implement e-learning. Details at <http://www.edb.gov.hk/en/edu-system/primary-secondary/applicable-to-primary-secondary/it-in-edu/pdp-ited.html>.

We have also provided the Training Calendar with quarterly ITE professional development programmes/activities uploaded for your immediate reference. You are most welcome to apply and join.

Centre of Excellence Scheme on ITE

Besides, the experienced seconded teachers under our Centre of Excellence Scheme (CoE) on IT in Education (ITE) have been providing district-based and subject-based on-site support services to teachers. They are tasked to provide schools with the latest updates on ITE, build learning communities for sharing of practical teaching experiences in e-learning to strengthen the effectiveness of learning and teaching as well as to enhance teachers' repertoire.

"Hot Spots" of the CoE are provided in the map below for your easy reference. Please mouse over "+" for details.

Centre of Excellence Scheme on ITE 2015/16

Training Calendar

December 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Events

01/12 EI0020150305
Experience Sharing on "Curriculu...

03/12 EI0020150293
Effective Use of Socratic and D...

03/12 EI0020150319
Creating e-Textbook to Facilitate...

03/12 EI0020150296AC
MDM configuration solution

04/12 EI0020150273
Effective Use of Mobile Device to...

04/12 EI0020150277AA
e-Learning with Tablets

04/12 EI0020150314AB
How to Conduct Mobile Learning...

04/12 EI0020150321AA
Effective Use of e-Textbook and ...

04/12 EI0020150332
Effective Use of e-Textbook and ...

- IT in Education Section (e.g. Wifi 900, CITG)
- e-learning Training Calendar
- Parents Corner
- Video Depository on e-learning



e-Textbook

www.edb.gov.hk/ertl

電子教科書適用書目表 Recommended e-Textbook List (eRTL) [A](#) [A](#)

更新日期 Updated as at 30.12.2015



學校級別 School Level :

語言 Language :

34 sets
on the
list

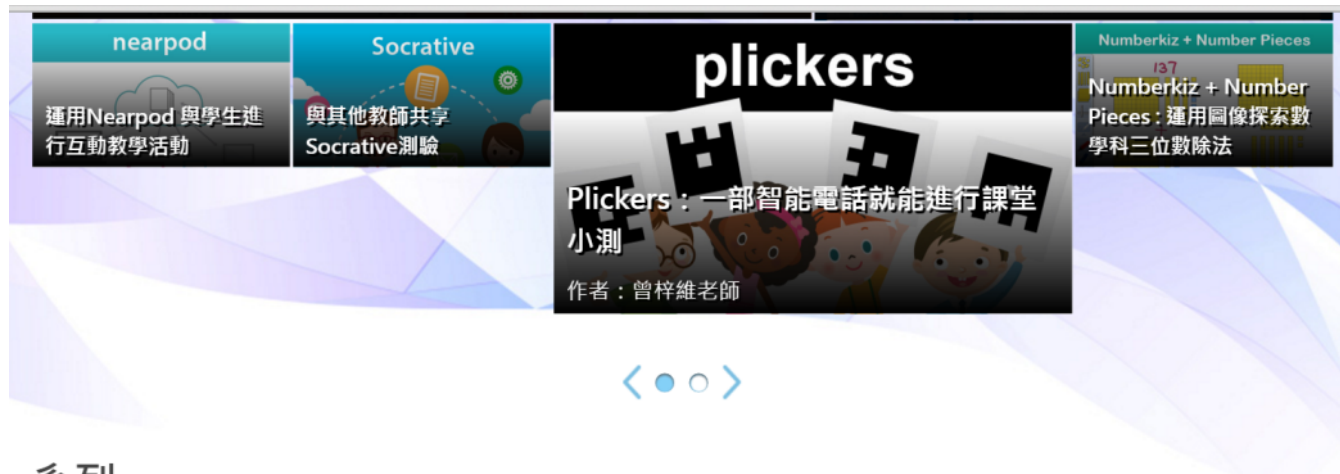
4 more sets are being
developed under EMADS II B

Online E-Resources

EDB One-stop Portal for Learning & Teaching Resources



Video Clips on e-learning lessons and tools stored in EdCity



系列



- 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>)

Hong Kong Education City

<http://www.hkedcity.net/>



EdV

www.hkedcity.net/edv/hke



English Campus

www.hkedcity.net/english



TV News

www.tvnews.hkedcity.net



Online Question Bank

www.hkedcity.net/oqb



EdMall

edmall.hkedcity.net



教城書櫃
EdBOOKShelf

EdBookShelf

edbookshelf.hkedcity.net



TeacherTV

www.hkedcity.net/ttv



Learning & Teaching Expo

www.hkedcity.net/lte



HKReadingCity

www.hkreadingcity.net



Small Campus

www.smallcampus.net



Teen Campus

www.hkedcity.net/teencampus



Inclusion Pavilion

www.hkedcity.net/sen



Parent Academy

www.hkedcity.net/partent

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



Conference for **Parent** Education on e-Learning

主辦單位：教育局
Education Bureau

香港教育城
HkedCity

iTLE

www.hkedcity.net/parents_elearningseries



系列活動



Strengthen the understanding of parents on issues related to e-learning and e-safety.



www.hkedcity.net/parents_elearningseries

Date	District	Venue
17/10/2015 (Saturday) 2:00-5:30 pm	HK Island	True Light Middle School of Hong Kong
14/11/2015 (Saturday) 2:00-5:30 pm	NT East	PLK Chee Jing Yin Primary School
30/1/2016 (Saturday) 2:00-5:30 pm	NT East	Christian Alliance S W Chan Memorial College
12/3/2016 (Saturday) 2:00-5:30 pm	NT West	Buddhist Mau Fung Memorial College
16/4/2016 (Saturday) 2:00-5:30 pm	Kowloon	HK& Macau Lutheran Church Primary School
21/5/2016 (Saturday) 2:00-5:30 pm	HK Island	Sacred Heart Canossian School
18/6/2016 (Saturday) 2:00-5:30 pm	Kowloon	SHK St Mary's Church Mok Hing Yiu College
9/7/2016 (Saturday) 2:00-5:30 pm	NT West	Shak Chung Shan Memorial Catholic Primary School



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>

The screenshot displays the website of the Association of IT Leaders in Education (AiTLE). The header features the AiTLE logo and the text "資訊科技教育領袖協會" and "Association of I.T. Leaders in Education". Below the header is a navigation bar with links: 首頁, 最新消息, 本會資料, 本會項目 (Projects), 會員專區, 本會活動報名, 電子學習及 IT in Ed 活動時間表, and a "Subscribe for updates" button. The main content area is titled "Upcoming events in June" and features a calendar for June 2015. The calendar shows the date 26th June highlighted. To the right of the calendar is a collage of images showing various educational activities and a large group of people. Below the collage, the text "06/26/2015" is displayed, followed by the event title "AiTLE & HKU EdAA Visit : eLearning Visit to The True Light Middle School of Hong Kong". At the bottom of the event section is an "Add to Calendar" button. The footer of the website shows the URL "www.aitle.org.hk/#".

AiTLE 資訊科技教育領袖協會
Association of I.T. Leaders in Education

首頁 最新消息 本會資料 本會項目 (Projects) 會員專區 本會活動報名 電子學習及 IT in Ed 活動時間表 Subscribe for updates

Upcoming events in June

June 2015

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Previous Event Next Event

06/26/2015

AiTLE & HKU EdAA Visit : eLearning Visit to The True Light Middle School of Hong Kong

Add to Calendar

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