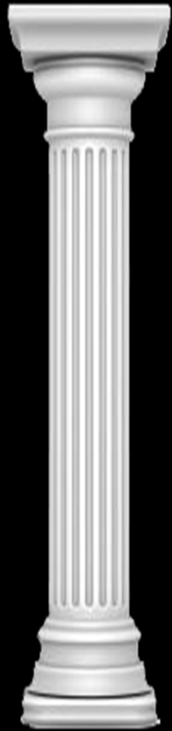


# **Support Measures on E-Learning Implementation**

School Leaders Seminar for Secondary Schools  
19 Jan 2016

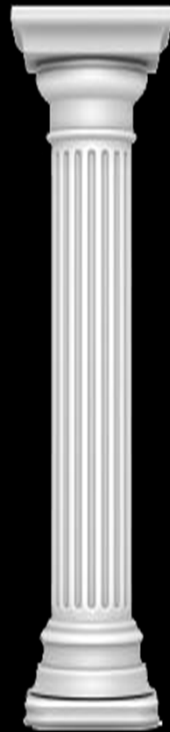
## Five Pillars of Implementing E-Learning Strategy in School Environment

Visionary  
Leadership



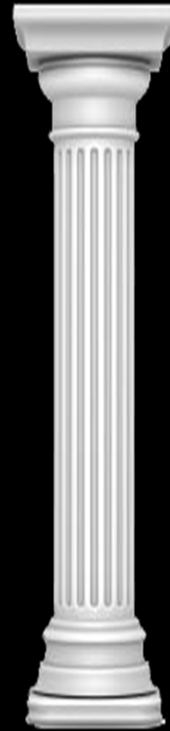
Top  
Management  
Level

Highly Effective  
IT Learning  
Environment



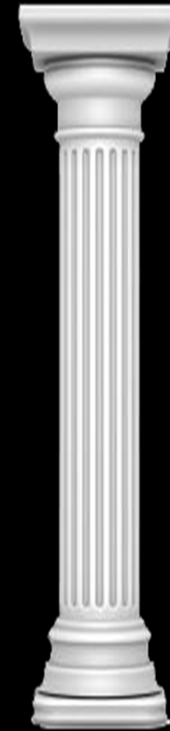
Middle  
Management  
Level

Innovative  
Learning & Teaching

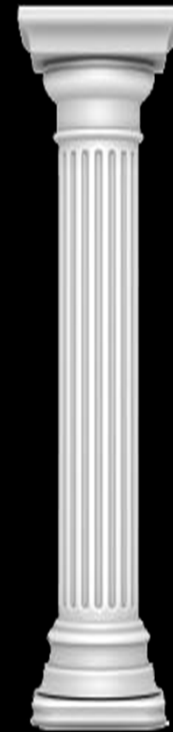


Middle Management  
And  
Classroom Level

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

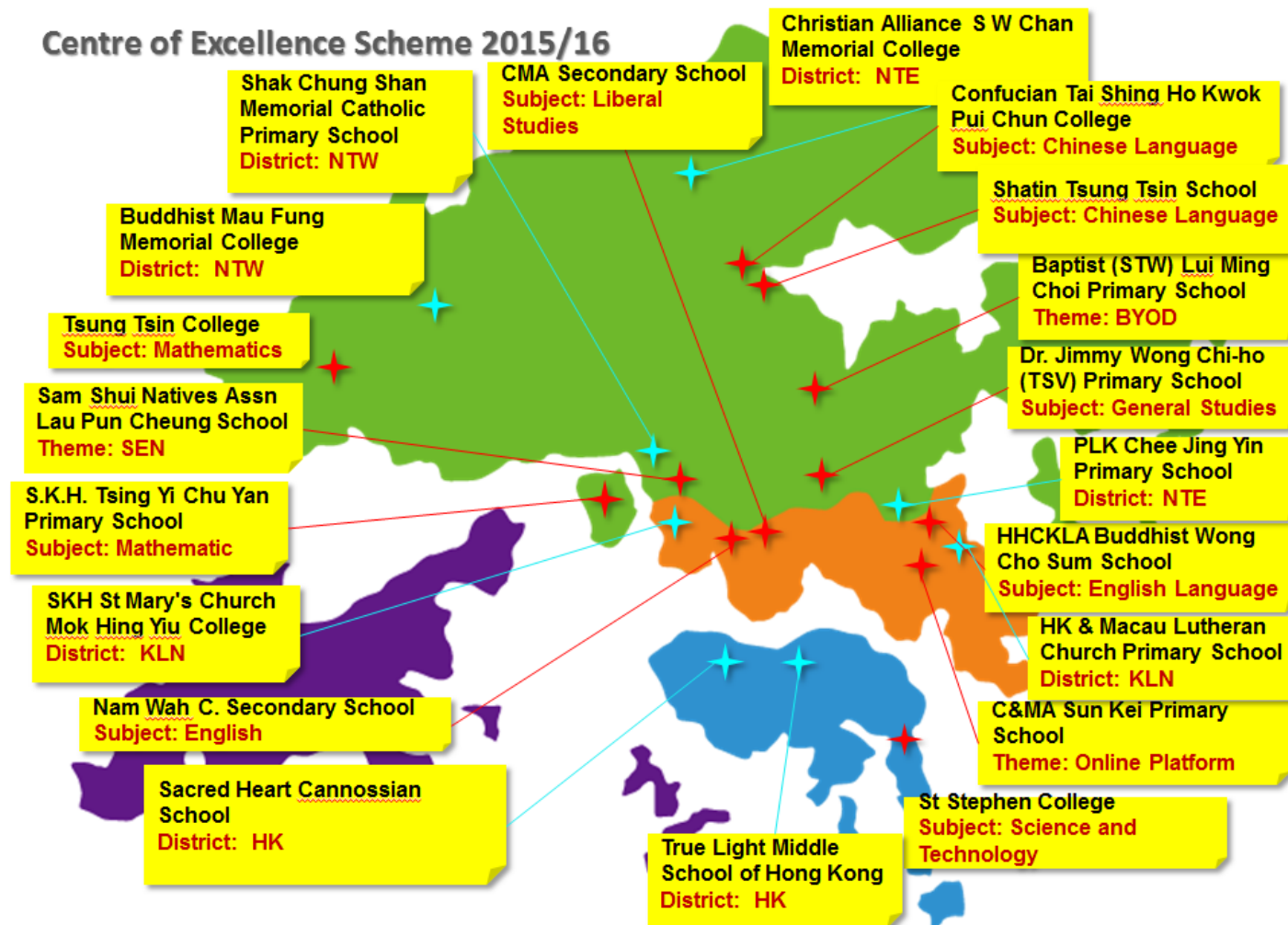


# Support Measures for Schools on e-Learning

- 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;

# 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

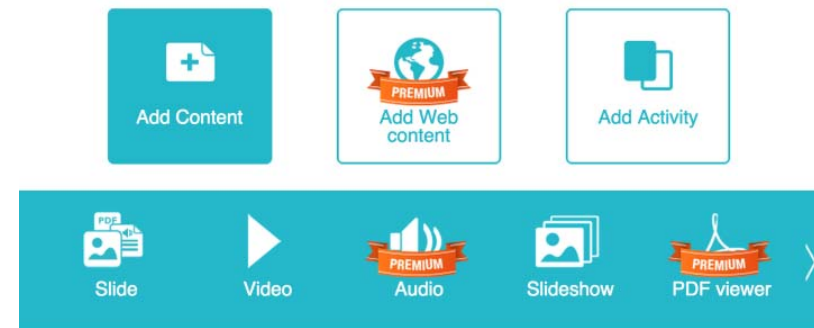
☐ Answer 3: Conolophus subcristatus

☐ Answer 4: Subcristatus

☒ Answer 5: subcristatus

Explanation: Optional

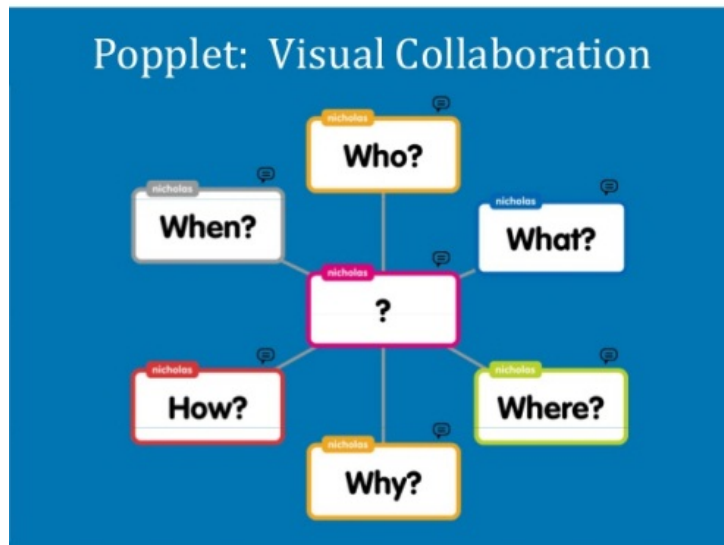
***Socrative: Collect students' instant feedback to facilitate AfL***



***NearPod: Monitor students' work to cater for LD***

# Use of Idea Presentation Apps

<b>Usage:</b>	To create inspired presentation like mind mapping, video making, storytelling and idea sharing. Teachers can produce educational videos to implement the flipped classroom.
<b>Example :</b>	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

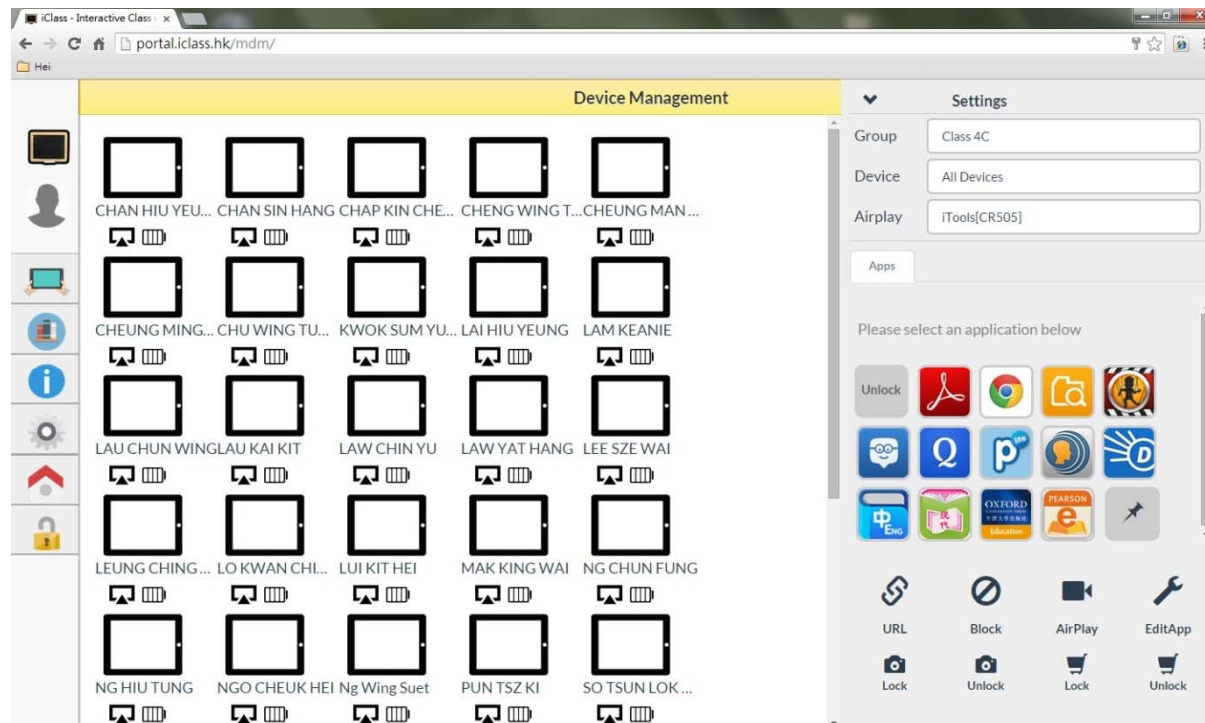
Production of on-line resources

Resources sharing

# Use of Mobile Devices Management (MDM)

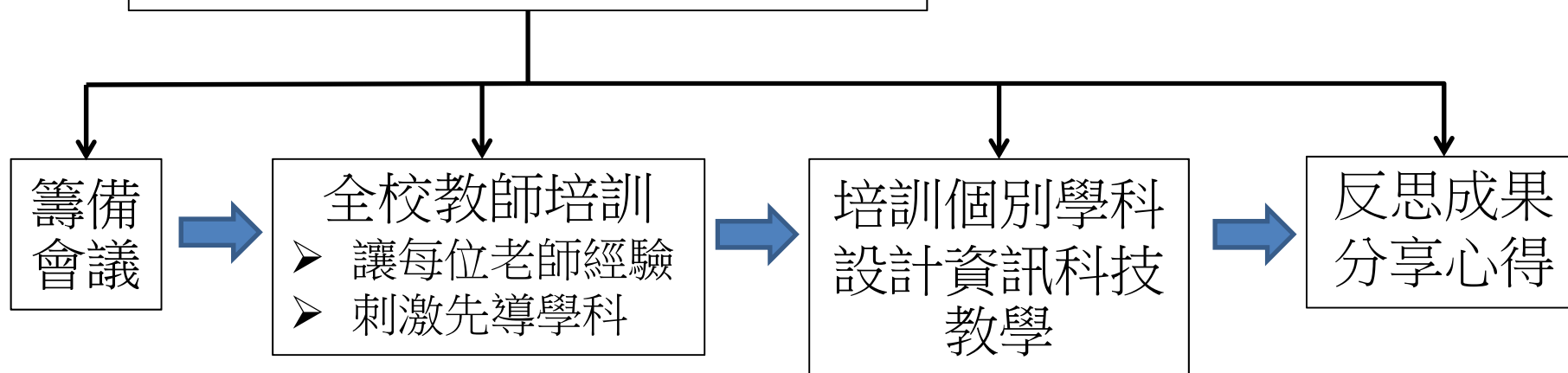
Usage: To facilitate schools to implement BYOD by assisting teachers to manage students' use of their own tablets including allowing or not allowing students to use certain e-learning resources, e.g. e-textbooks, Apps, camera, recording function so as to reduce discipline problems and misuse of the devices.

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

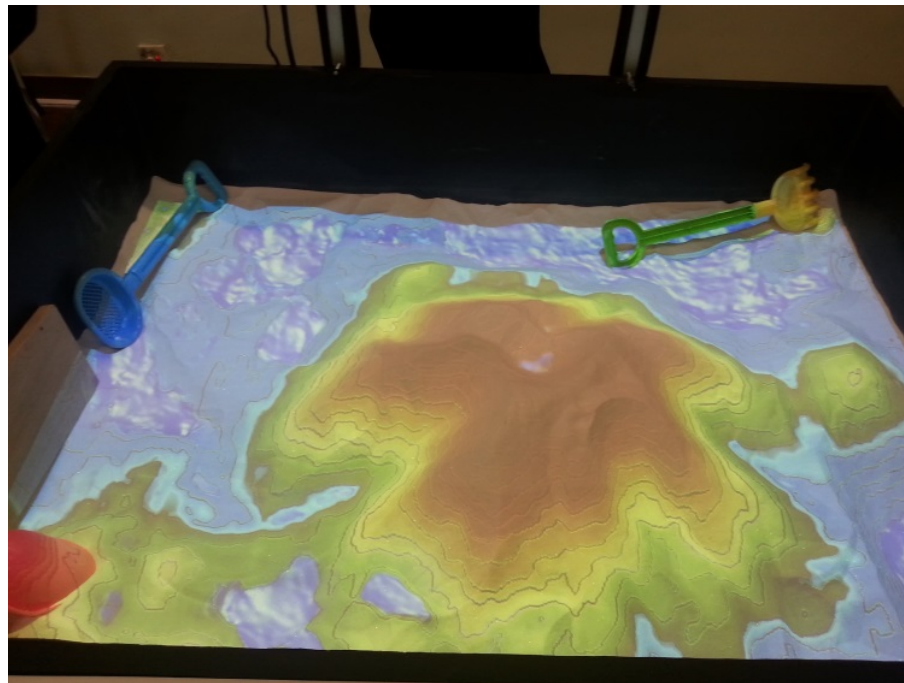
# KLA-based Support: Geography / Map Reading

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? <input type="checkbox"/> Yes <input type="checkbox"/> No										
	Number of teacher participants: _____										
2.	<p>Proposed date of on-site support services</p> <p>Option 1* Date : _____ (Mon / Tue / Wed / Thu / Fri) Time : _____ AM / PM</p> <p>Option 2* Date : _____ (Mon / Tue / Wed / Thu / Fri) Time : _____ AM / PM</p> <p>Option 3* Date : _____ (Mon / Tue / Wed / Thu / Fri) Time : _____ AM / PM</p> <p>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</p> <p><input type="checkbox"/> A. Support School Staff Development Day (Seminar or workshop, about 2 to 3 hours, recommend to choose not more than three items)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Introduce how to use tablet computer Apps to facilitate classroom learning and teaching</li> <li><input type="checkbox"/> Introduce how to use build-in functions of tablet computers to facilitate learning and teaching</li> <li><input type="checkbox"/> Introduce how to use tablet computers to conduct mobile learning</li> <li><input type="checkbox"/> Introduce how to use Learning Management System (LMS) / Cloud Services Please specify : _____</li> <li><input type="checkbox"/> Understand and handle e-safety issues (e.g. internet safety, healthy and ethical use of computing devices)</li> <li><input type="checkbox"/> Introduce how to promote information literacy and Creative Commons</li> <li><input type="checkbox"/> Share experience for curriculum planning on e-learning</li> <li><input type="checkbox"/> Other (Please specify) _____</li> </ul> <p><input type="checkbox"/> B. Pedagogical support for individual subject (Choose ONLY one)</p> <p>Please specify the class level:</p> <table border="0"> <tr> <td><input type="checkbox"/> Chinese Language (Secondary Level)</td> <td><input type="checkbox"/> Chinese Language (Primary Level)</td> </tr> <tr> <td><input type="checkbox"/> English Language (Secondary Level)</td> <td><input type="checkbox"/> English Language (Primary Level)</td> </tr> <tr> <td><input type="checkbox"/> Mathematics (Secondary Level)</td> <td><input type="checkbox"/> Mathematics (Primary Level)</td> </tr> <tr> <td><input type="checkbox"/> Liberal Studies (Secondary Level)</td> <td><input type="checkbox"/> General Studies (Primary Level)</td> </tr> <tr> <td><input type="checkbox"/> Science and Technology (Secondary Level)</td> <td></td> </tr> </table> <p><input type="checkbox"/> C. Introduce how to use IT to enhance the learning of students with special educational needs (SEN) (Seminar or workshop)</p> <p><input type="checkbox"/> D. Technical Support</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Support for implementation of BYOD</li> <li><input type="checkbox"/> Support for setup cloud services (e.g. Office 365, Google Education etc) Please specify: _____</li> </ul>	<input type="checkbox"/> Chinese Language (Secondary Level)	<input type="checkbox"/> Chinese Language (Primary Level)	<input type="checkbox"/> English Language (Secondary Level)	<input type="checkbox"/> English Language (Primary Level)	<input type="checkbox"/> Mathematics (Secondary Level)	<input type="checkbox"/> Mathematics (Primary Level)	<input type="checkbox"/> Liberal Studies (Secondary Level)	<input type="checkbox"/> General Studies (Primary Level)	<input type="checkbox"/> Science and Technology (Secondary Level)	
	<input type="checkbox"/> Chinese Language (Secondary Level)	<input type="checkbox"/> Chinese Language (Primary Level)									
<input type="checkbox"/> English Language (Secondary Level)	<input type="checkbox"/> English Language (Primary Level)										
<input type="checkbox"/> Mathematics (Secondary Level)	<input type="checkbox"/> Mathematics (Primary Level)										
<input type="checkbox"/> Liberal Studies (Secondary Level)	<input type="checkbox"/> General Studies (Primary Level)										
<input type="checkbox"/> Science and Technology (Secondary Level)											
3.	<p>WiFi available at the venue? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Tablet computers available? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes Please specify the model and number of tablet computers available: _____</p>										
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



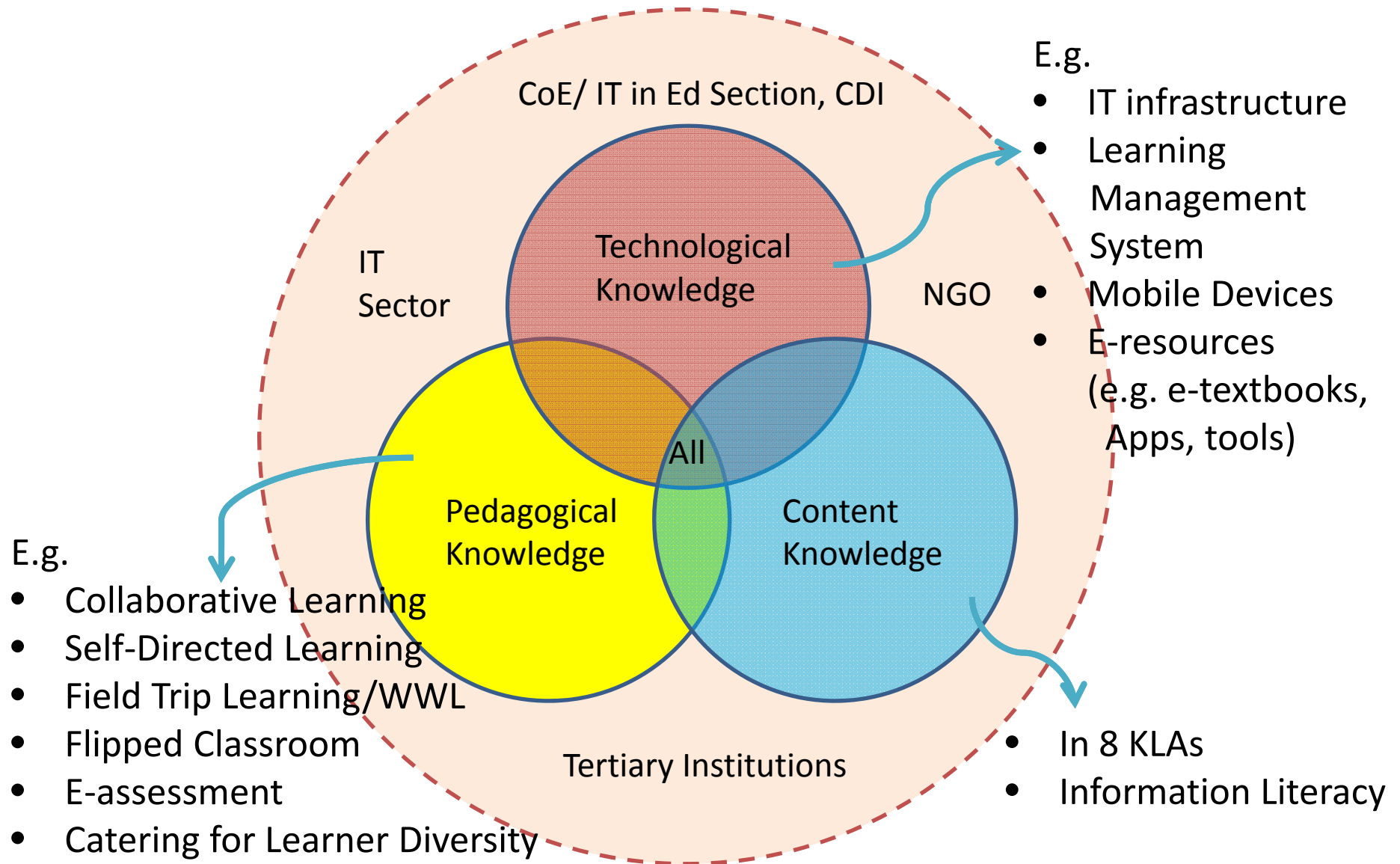
資訊科技教育卓越中心網址

(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 (21 Apr, 6 May, 27 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 resources such as 'First Strategy on Information Technology in Education' and 'Second Strategy on Information Technology in Education'. A 'References' section is also present. On the right, there is a 'Professional Development Programmes for Teachers (e-Learning)' section with a 'Training Calendar' for December 2015, showing dates and events. A map of Hong Kong is also visible, showing the 'Centre of Excellence Scheme on ITE 2015/16'.

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



# 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](http://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](http://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" (Association of I.T. Leaders in Education). Below the header is a navigation bar with links: 首頁 (Home), 最新消息 (Latest News), 本會資料 (Association Information), 本會項目 (Projects), 會員專區 (Members Area), 本會活動報名 (Association Activity Registration), 電子學習及 IT in Ed 活動時間表 (e-Learning and IT in Education Activity Schedule), and a "Subscribe for updates" button.

The main content area is titled "Upcoming events in June". It includes a calendar for June 2015. The calendar shows the following dates: 1 (Mo), 2 (Tu), 3 (We), 4 (Th), 5 (Fr), 6 (Sa), 7 (Su), 8 (Mo), 9 (Tu), 10 (We), 11 (Th), 12 (Fr), 13 (Sa), 14 (Su), 15 (Mo), 16 (Tu), 17 (We), 18 (Th), 19 (Fr), 20 (Sa), 21 (Su), 22 (Mo), 23 (Tu), 24 (We), 25 (Th), 26 (Fr), 27 (Sa), 28 (Su), 29 (Mo), 30 (Tu). The date 26 is highlighted.

Below the calendar are buttons for "Previous Event" and "Next Event". To the right of the calendar is a collage of images showing various educational activities and school buildings. Below the collage is the date "06/26/2015" and the title "AiTLE & HKU EdAA Visit : eLearning Visit to The True Light Middle School of Hong Kong". There is also an "Add to Calendar" button.

The footer of the website shows the URL "www.aitle.org.hk/#".

# 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](http://www.hkedcity.net/edv/hke)



English Campus

[www.hkedcity.net/english](http://www.hkedcity.net/english)



TV News

[www.tvnews.hkedcity.net](http://www.tvnews.hkedcity.net)



Online Question Bank

[www.hkedcity.net/oqb](http://www.hkedcity.net/oqb)



EdMall

[edmall.hkedcity.net](http://edmall.hkedcity.net)



教城書櫃  
EdBOOKShelf

EdBookShelf

[edbookshelf.hkedcity.net](http://edbookshelf.hkedcity.net)



TeacherTV

[www.hkedcity.net/ttv](http://www.hkedcity.net/ttv)



Learning & Teaching Expo

[www.hkedcity.net/lte](http://www.hkedcity.net/lte)



HKReadingCity

[www.hkreadingcity.net](http://www.hkreadingcity.net)



Small Campus

[www.smallcampus.net](http://www.smallcampus.net)



Teen Campus

[www.hkedcity.net/teencampus](http://www.hkedcity.net/teencampus)



Inclusion Pavilion

[www.hkedcity.net/sen](http://www.hkedcity.net/sen)



Parent Academy

[www.hkedcity.net/partent](http://www.hkedcity.net/partent)

# 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