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Virtual Learning Environment / Learning Management System

June 2016

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VLE – Typical Functions

- eLearning class (announcement, calendar, syllabus)
- Student portfolio
- Learning resource integration
- eAssessment integration
- Gradebook / report / feedback
- Poll, quiz, survey
- Multimedia assignment (student to submit video/audio)
- Collaboration
- Social network integration
- Mobile ready

Classroom App

Student Response System:

- Nearpod
- EdModo
- Socrative

Learning Management System / Platform

- Forum
- Assignment
- eAssessment
- Flipped classroom

Internet Resources

- HKEdCity Resources
- Education Ministry
- Khan Academy

eTextbook

- Contents
- Multimedia

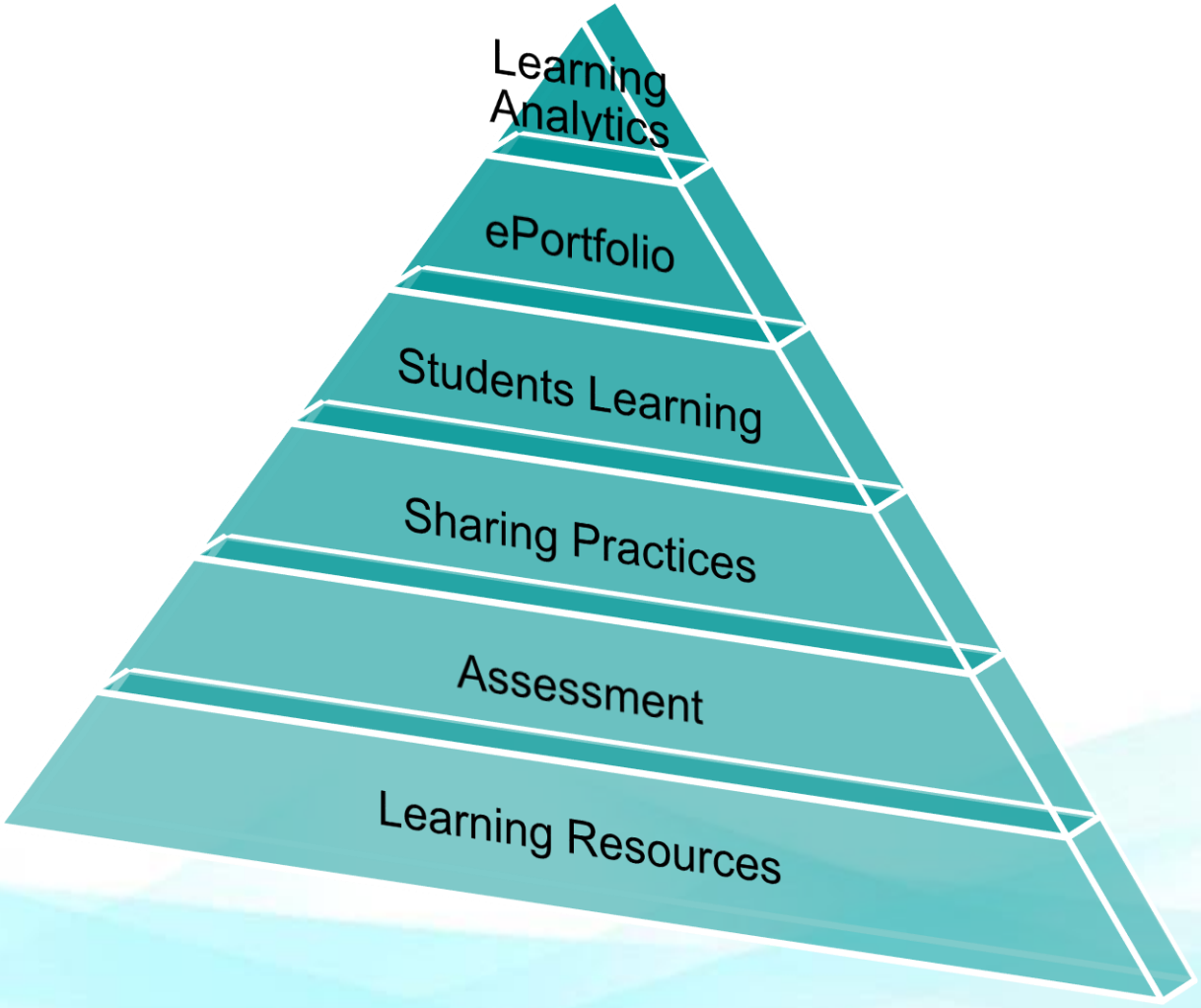
- Simulation
- Short quiz

Personal Learning Tools

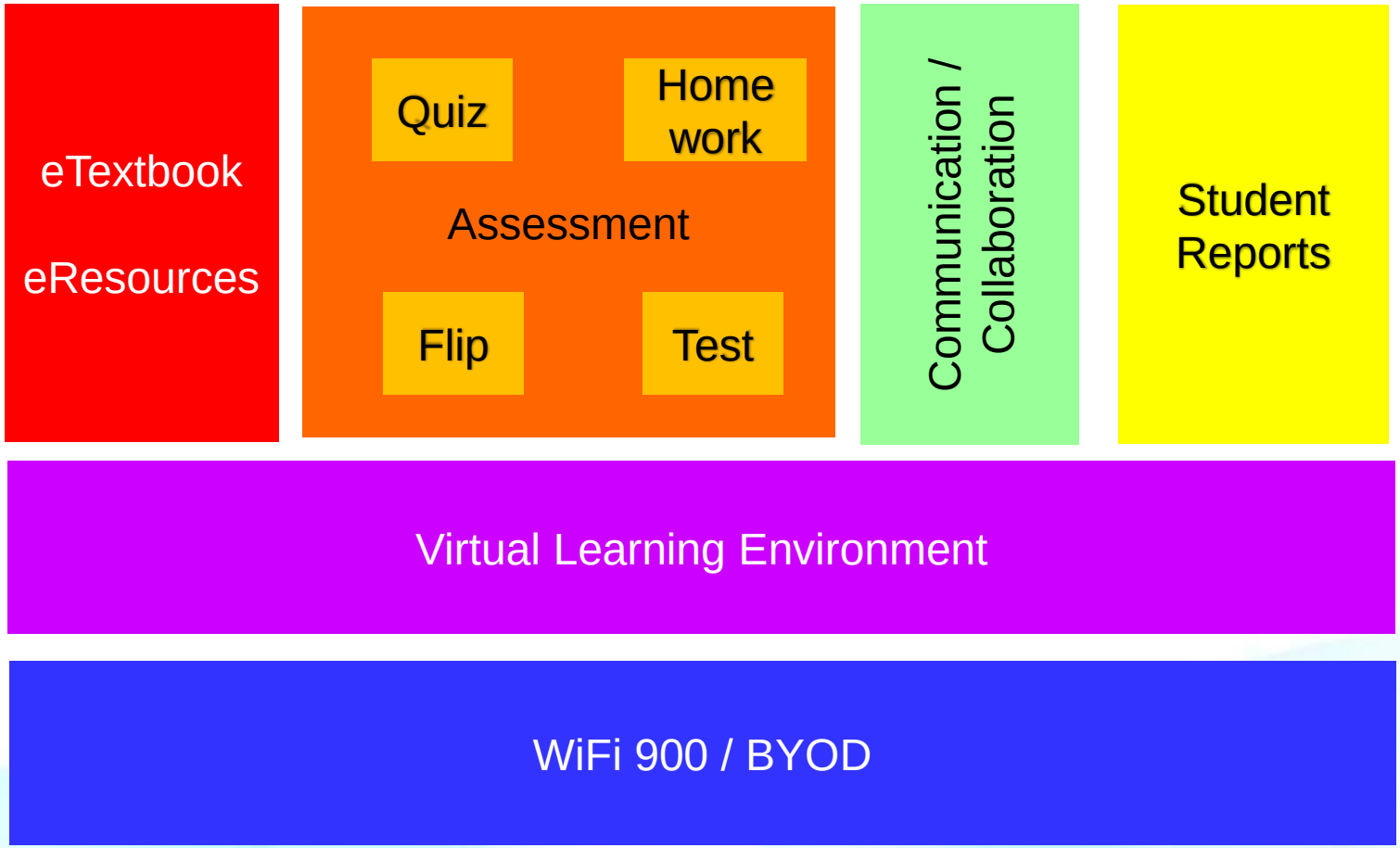
- Dictionary
- Camera
- Explain Everything
- PowerPoint

Student's View of eLearning

Purpose of eLearning / VLE



Integrated eLearning



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Why are Open Standards for eLearning Important?

Publishers need to cater for different school systems

Different publishers have different Systems too!

Publisher A

Publisher B

Publisher C

Publisher D

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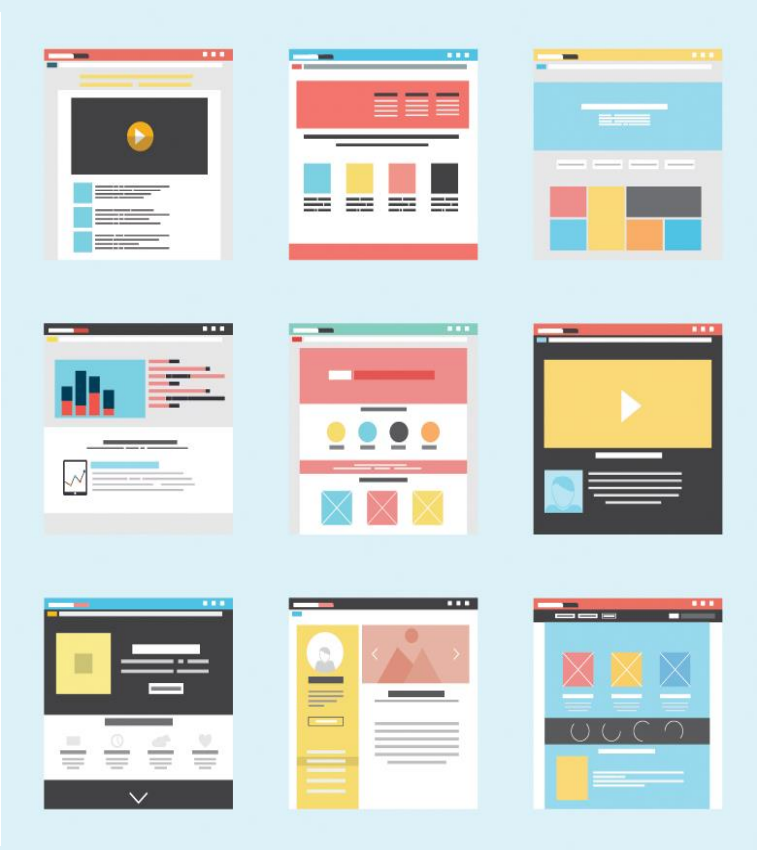
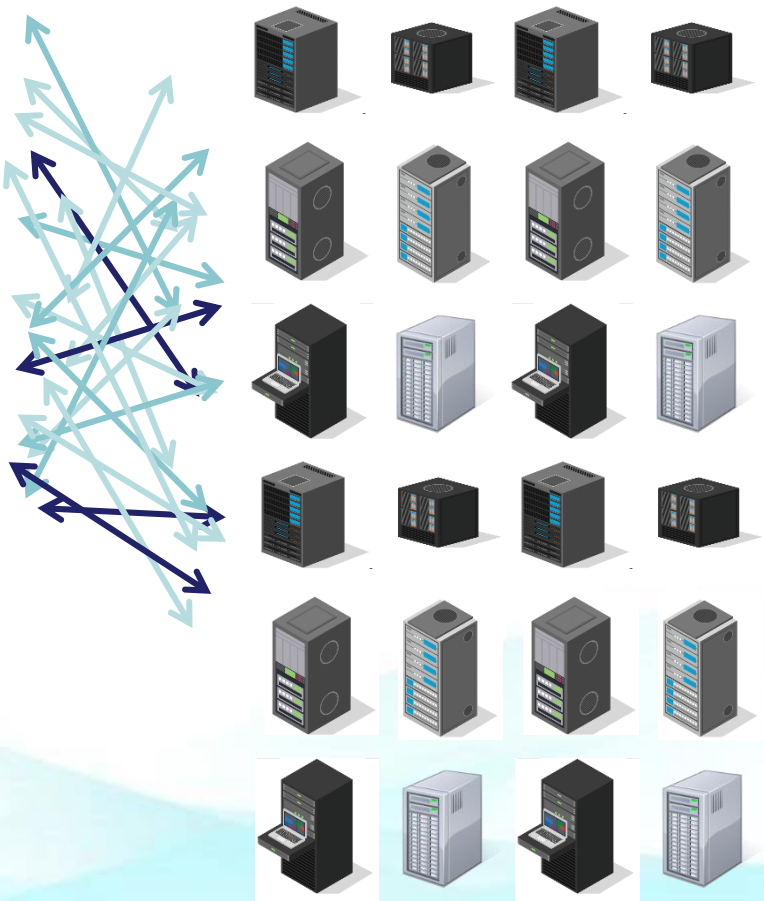


School W, X, Y, Z.....



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What if systems follow the same standards?

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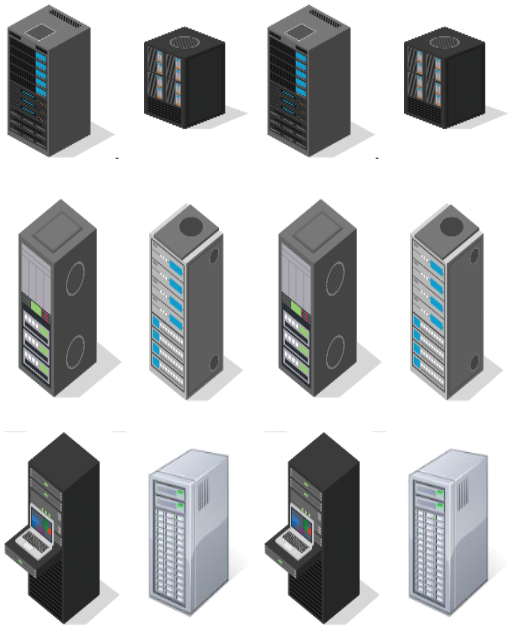
Standard SSO and data exchange



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With Standards…

Schools

- switch systems and with contents migrated easily
- find eLearning more user-friendly with less administrative overhead
- find more choices for best contents / resources

Publishers

- contents / assessments can be adopted by different school systems
- no need to develop student information systems

eLearning Marketplace

- Hundreds of third party APPs available
- https://www.eduappcenter.com/

Is your school system compatible with Standards?

1.	Single Sign-on	OAUTH, SAML, 802.1X	open standard
2.	Data Format	CEDS	US, require HK standard
3.	Content Packaging	SCORM, Tin Can	open standard
4	System Integration	SIF	US standards
5.	Learning App / Tools	LTI	open standard
6.	Assessment Item Format	QTI	open standard

Communication on Standards and Practices

- Industry Forum
  - ITE4 Technical sub-group meeting on 24 Feb 2016, with full support to drive eLearning standards in the industry
  - Briefing to industry / publishers conducted in mid-April with positive responses
- Seminars for schools

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Demonstration

Flipped Classroom

eAssessment

Project Based Learning

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Are YOU …

- Vision: Implementing and deepening eLearning for whole school
- Belief: Importance of using systems / teaching materials that are standardised and compatible with others
- Aim: Building students' ePortfolios
- Facing limitations of current platforms
- Moving to cloud solutions to reduce internal technical support required

'Build a Standardised Learning Environment and Deepen eLearning' together with HKEdCity

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Virtual Learning Environment (VLE) Pilot Scheme

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Objectives

- Schools to experience latest cloud based, open standard VLE system for integrating teaching, learning and assessment
- Schools able to use third party apps, assessment and resources (open standards)
- Easy to adopt with minimum technical support required in schools (unlike native moodle)
- Share practices among schools
- Facilitate longer term planning for Hong Kong

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VLE Pilot Scheme

- Pilot Scheme Period: 2016/17 – 2017/18 (2 school years)
- Participating schools **use the VLE for free**

- ***HKEdCity***
  - Provide VLE licences throughout the Pilot Scheme period
  - Provide set up and implementation templates for recommended practices
  - Facilitate integration with third party resources and applications
  - Training and support

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- ***Schools***
  - Provide Leadership in overall project implementation in school
  - Contribute educational practices (pedagogy and practices)
  - Valuable comments
  - Public experience sharing contributing to the development of the Scheme, subsequently benefiting even more teachers and students

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Project Deliverables and Monitoring

- Reference eLearning classes with good use of VLE functionalities
- Management involvement in planning and evaluation
- Implementation in at least 4 classes
- At least 4 teachers involved
- Quarterly leadership meeting
- Professional sharing and feedback

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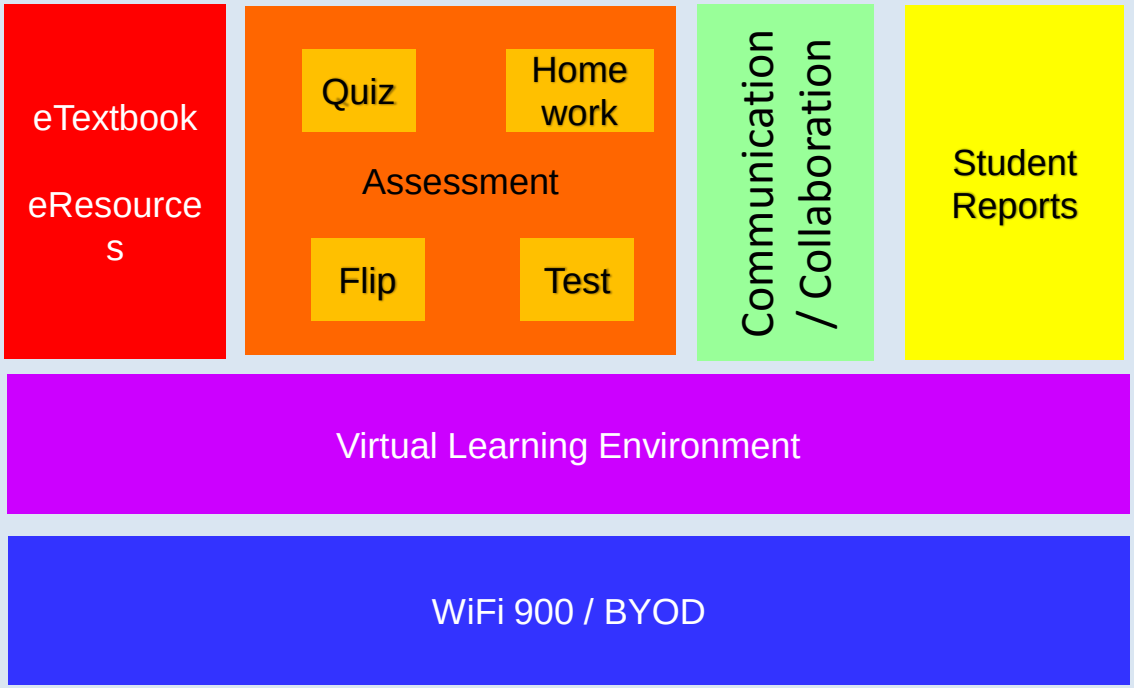
Pilot with Integrated eLearning



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Post Pilot

- Scale-up
  - Schools start with a few classes adopting eLearning and gradually extend to entire school
- Scale-out
  - Start with a few schools and gradually scale out to all schools
- Tentative Target
  - 10% adoption in 2019 (for example)

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Pilot Scheme Timeline

Year	Content
Jun – Aug 2016	Develop prototype
Sep 2016 – Aug 2017	Try out prototype for standard functions
Sep 2017 – Aug 2018	More integration with third party systems and applications
Post pilot - Sep 2018 and beyond	Strategic implementation in other schools by phases