

Successful Factors of Building and Maintaining School WiFi Network

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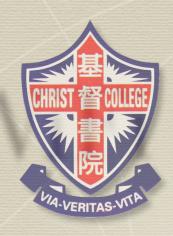
About U

* WiFi 1000 = WiFi 100 + WiFi 900



About Us

- * Aided Secondary School in Pok Hong Estate
- * History: 64 Years
- * WiFi 900 Phase 1 (2015)



WiFi Timeline



Item	Date	
Application	2015/03/23	
Tender Preparation	2015/05 - 2015/06	
Tender Closing Date	2015/06	
Construction	2015 summer	
UAT	2015/08	
Activation of WiFi	2015/09/01	



Authentication



SSID	Encryption	Authentication	VLAN
device	WPA2	MAC address	ITED
guest	None	None	Public
ipad	WPA2	MAC address	ITED
janitor	WPA2	MAC address	Public
staff	WPA2	AD	ITED
student	WPA2	HKEdCity	Student
guestpass	None	Controller	Public



WiFi Tips



- * AP per classroom/venue
- * Security
- * Stability
- * UAT



UAT



- * Identify common use of cloud apps/platform
 - * Nearpod, YouTube, Nearpod, ...
 - * eClass, eSchoolPad, ...
- * Simulate teaching environment
- * Speed Test Tool
 - * OFCA
 - * WaaSchool Testing Tool

WaaSchool Testing Tool

- * Reduce Effort
- * Testing Operation
- * Record Results
- * No software/app installation
- * Reservation

Integration or Separation

	Integration	Separation
Security/Safety	Lower/Medium	Higher
Rely on Infrastructure	Yes	No
User Experience	Better	Find Alternatives



毋忘初衷

- * WiFi roo 電子學習學校支援計劃
- * Mode of eLearning
 - * Self-paced / Flipped Classroom
 - * Interactive lessons
 - * Mobile Learning



e-Learning



- * LMS (Google Classroom, Schoology, ...)
- * AirPlay
- * G Suite



Community



- * HKEdCity / EDB
- * AiTLE
 - * WhatsApp Group
 - * Telegram Group





Thank You!



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