NSS ICT Curriculum Management, Planning and Leadership

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My presentation is about

- School's curriculum planning
 - choice of elective & the progress
 - managing multiple groups
 - Resource management: grouping and use of computer room
- "Taster programme" for S3 students
- to know more about the NSS electives
- Making use of various support to ICT curriculum for professional certification / articulation to post-secondary education

School Curriculum Planning

- As a member of NSS ICT CDC-HKEAA One committee
 - CDC-HKEAA Committee on Information and Communication Technology (Senior Secondary)
- Always do as what we design
 - Provide as more electives as possible to our students

School Curriculum Planning (Cont'd)

- So in the curriculum planning
 - Curriculum is for the students
 - Cost saving (Human Resources)

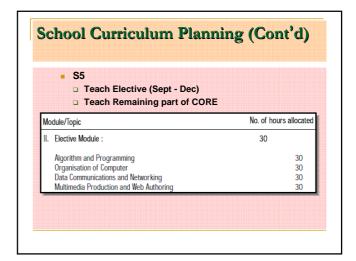
School Curriculum Planning (Cont'd)

- CIT / ICT Electives
 - □ In KCC & LTPSS
 - CIT
 - Last year S4 in LTPSS (Sept mid May)
 - teaching CORE (programming, computer system, networking, multimedia) –
 - @ has about 20 lessons (@ lesson has 55 minutes)

School Curriculum Planning (Cont'd)

Module/Topic		No. of hours allocated	
l.	Core Module :	80	
	Information Processing and Presentation		20
	Computer Systems and Networking		16
	Internet and its Application		16
	Basic Programming Concepts		18
	Social Implications of Computer and Information Technology		10

School Curriculum Planning (Cont'd) Let students has experience in different content first As a basis for them to do selection at the end of S4 At the end of S4 Open 4 electives for them to choose Finally open 2 most popular electives S4 (End of May and Early June) Start Elective Mainly Course Introduction and Coursework Introduction Start writing Background, Aims & Objectives for coursework Allow students using the summer vacation to do more research



School Curriculum Planning (Cont'd) For ICT Selection of Elective can be postponed to Mid September So as to make use of Early Sept as review / recall of all info taught As the coursework title will be announced at Oct

School Curriculum Planning (Cont'd) Run smoothly Problem is Not sure electives to be opened But sure as a teacher, we can handle it Even though I am not a computer major Example In KCC – Networking & Multimedia In LTPSS – Programming & Computer Systems

School Curriculum Planning (Cont'd) - About the teaching - LTPSS has 5 computer rooms - 3 rooms has about 20 PCs - For computer teaching - 2 rooms has about 40 PCs - For general IT use

School Curriculum Planning (Cont'd) S1 – S3, @ class 2 teachers For @ class 1 teacher (computer teacher) always teaching practical part another teacher always (major teaching Math) teaching theory part

School Curriculum Planning (Cont'd)

	Group A	Group B	
Term 1	Practical	Theory	
I CIIII I	Theory	Practical	
Term 2	Practical	Theory	
1 CIIII Z	Theory	Practical	

School Curriculum Planning (Cont'd)

- □ S4, totally 40 students, 2 teachers
- □ For @ class
 - Similar arrangement as S1-S3 ... but not divide into Practical Session and Theory Session
 - But divide into different module-core

School Curriculum Planning (Cont'd)

Group A	Group B
Network	Program
Program	Network
Computer Sys	Multimedia
Multimedia	Computer Sys
	Network Program Computer Sys

School Curriculum Planning (Cont'd)

- This decrease
- Lesson preparation work / time
- Exam paper and marking work / time
- More focus on teaching
- Same coverage for different classes
- Same standard for different classes

School Curriculum Planning (Cont'd)

- For this year ICT, @ students has received a customized NSS ICT C&A Guide
 - NSS ICT C&A Guide Full version 146 pages
 - Customized NSS ICT C&A Guide
 - 37 pages
 - Content
 - Curriculum Framework
 - □ Recommended Time allocation
 - Meaning of Action Verbs
 - Detail Content of Compulsory part with highlight of part belongs to
 - □ Assessment Information

School Curriculum Planning (Cont'd)

- Resources Arrangement (Room)
 - As mentioned, LTPSS has 5 computer rooms
 - 3 small (@ about 20 PCs)
 - 2 big (@ about 40 PCs)
 - When I go to LTP
 - I always emphasis the 3 small computer rooms belongs to Computer Subject
 - And the 2 large computer rooms belongs to all other subjects like Chi, Eng, Math etc ...
 - Persuade Visual Arts and Music to make good use of IT so as to increase their values
 - Digital Arts / Digital Music

Taster Program

- No matter the school has Taster Program or not
 - Deliberately assign me to teach all S3
 - As a gateway to NSS ICT
 - Computer teacher teaching Practical more professional and attractive
 - Can give S3 students more info about NSS ICT throughout the whole year teaching
 - Monitor the level and progress

Taster Program (Cont'd)

- A Whole School Program for all S3
 - One week's time
 - S3 student not following original timetable, but a timetable for Taster Program

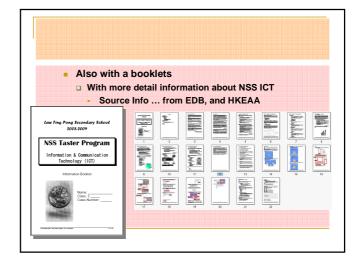
Taster Program (Cont'd)

- In the planning stage, Vice Principal ask HoDs about number of lessons needed, and mode of presentation
 - Computer Subject select
 - 2 lessons per class
 - Using Classroom but not Hall

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3B: BIOL,					
2:35 ~ 3:30 3C: IS, 51		E.LIT, Hall		ECON, Hall	Co-curricular Activities
3D: CIT, 2			1		

Taster Program (Cont'd)

- 2 lessons for Computer Subject
 - First lesson
 - Information about NSS ICT
 - Electives to be offered
 - Something about Assessment (Coursework)
 - Video from Universities, Vendors talking about benefits of studying ICT in NSS



Taster Program (Cont'd)

- Second lesson
 - Practical enjoyment of elective
 - □ Programming + Multimedia → Flash action script
 - □ Networking → Cable making + Network Sharing Setting
- With a questionnaire asking about arrangement of NSS ICT Session and also student's preference to ICT

Questionnaires: (Please return this part to the computer teachers right after the Taster Program ICT part)					
Do you find the Taster Program ICT part informative? YES NO					
Do you find the Taster Program ICT part interesting? YES NO					
Do you think the time is enough for the Taster Program ICT part? YES NO					
Will you consider select ICT as one of your subjects for NSS? ☐ YES ☐ NO					
Why you select / not select ICT as one of your subjects for NSS?					
Any improvement suggestion(s)?					

THANK YOU

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