

# 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
I. 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)

- S5
  - Teach Elective (Sept - Dec)
  - Teach Remaining part of CORE

Module/Topic	No. of hours allocated
II. Elective Module :	30
Algorithm and Programming	30
Organisation of Computer	30
Data Communications and Networking	30
Multimedia Production and Web Authoring	30

## 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
	Theory	Practical
Term 2	Practical	Theory
	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
Term 1	Network	Program
	Program	Network
Term 2	Computer Sys	Multimedia
	Multimedia	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

Time Table of the Taster Programme

	9/2-2009 (Mon)	10/2-2009 (Tue)	11/2-2009 (Wed)	12/2-2009 (Thu)	13/2-2009 (Fri)
8:00 - 8:30	Morning Reading (other forms)	Form Form Assembly	Morning Reading	Senior Form Assembly	Morning Reading
8:30 - 9:15	8:00 - 9:15 Briefing, Hall	3A. C.IT. 201 3B. C.LIT. 204 3C. GEOG. 203 3D. BIOL. 414 3E. CHEM. 611	CHIN. Hall	3A. IS. 511 3B. PHY. 613 3C. CHEM. 611 3D. C.LIT. 202A 3E. BIOL. 414	BAFS. Hall
9:15 - 9:25			Recess		
9:25 - 10:20	3A. HIST. 211 3B. CHEM. 611 3C. C.IT. 201 3D. GEOG. 202A 3E. HIST. 202	3A. C.IT. 201/202 3B. C.LIT. 204 3C. CHIST. 203 3D. BIOL. 414 3E. CHEM. 611	MATH. Hall	3A. IS. 511 3B. PHY. 613 3C. CHEM. 611 3D. C.LIT. 202A 3E. BIOL. 414	BAFS. Hall
10:20 - 10:30			Recess		
10:30 - 11:25	3A. BIOL. 414 3B. CHEM. 611 3C. C.IT. 201/202 3D. IS. 511 3E. PHY. 613	3A. GEOG. 211 3B. IS. 511 3C. CHIST. 203 3D. C.HIST. 202A 3E. C.H. 202	3A. PHY. 613 3B. GEOG. 204 3C. C.LIT. 203 3D. CHEM. 611 3E. IS. 511	T&HS. Hall	BAFS. Hall
11:25 - 11:35			Recess		
11:35 - 12:30	3A. BIOL. 414 3B. C.HIST. 203 3C. HIST. 203 3D. IS. 511 3E. PHY. 613	3A. CHIST. 211 3B. IS. 511 3C. PHY. 613 3D. HIST. 202A 3E. C.H. 202/202*	3A. PHY. 613 3B. HIST. 204 3C. C.LIT. 203 3D. CHEM. 611 3E. IS. 511	T&HS. Hall	3A. CHEM. 611 3B. C.IT. 202 3C. PHY. 613 3D. C.LIT. 202
12:30 - 1:30			Lunch		
1:30 - 2:25	3A. C.LIT. 211 3B. BIOL. 414 3C. IS. 511 3D. C.IT. 202 3E. GEOG. 202		12:40 - 1:35 HM&SC. Hall	12:40 - 1:35 ENG. Hall	3A. CHEM. 611 3B. C.IT. 201/202 3C. BIOL. 414 3D. PHY. 613 3E. C.LIT. 202
2:25 - 2:35			Recess		
2:35 - 3:30	3A. C.LIT. 211 3B. BIOL. 414 3C. IS. 511 3D. C.IT. 201/202 3E. CHIST. 202		E.LIT. Hall	ECON. Hall	Co-curricular Activities

## 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

- Also with a booklets
  - With more detail information about NSS ICT
    - Source Info ... from EDB, and HKEAA

Law Ting Pong Secondary School  
2008-2009

**NSS Taster Program**  
Information & Communication  
Technology (ICT)

Information Booklet

Name: \_\_\_\_\_  
Class: \_\_\_\_\_  
Class Number: \_\_\_\_\_

## 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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