NSS Information & Communication Technology Briefing Sessions

Curriculum & Sample Papers
Assessment Framework

- Paper 1 Compulsory part, 55%, 2 hours
- Paper 2 Elective part, 25%, 1 hour 30 minutes
  2A Databases
  2B Data Communications & Networking
  2C Multimedia Production & Web Site Dev.
  2D Software Dev.
- School-based Assessment (SBA), 20%
Sample Paper (Exam Rubrics)

- **Paper 1**
  - 40 MC Questions
  - 5 Conventional questions

- **Paper 2**
  - 4 Conventional questions

- **School-based Assessment**
  - Project
Sample Papers

- Questions from well-known past examinations (CECIT, ASCA, ALCS)
- New questions for new topics
Sample Papers (1A)

- 20 sample MC questions selected from past CE CIT Examinations
- Appropriate, well-known questions
  - Low correct percentage rate (difficult questions)
  - High correlation coefficient (high discrimination power)
Sample Paper (1B)

- Sub-topics:
  - Information Processing (64 hrs)
  - Computer System Fundamentals (25 hrs)
  - Internet and its Applications (28 hrs)
  - Basic Programming Concepts (20 hrs)
  - Social Implications (28 hrs)

- Selected from CE CIT, ASCA & ALCS
Sample Paper (2A-Databases)

- **Question 4** (new topic: *Introduction to Database Design Methodology*)
  - Effective database management
  - Reduce data redundancy (normalization)
Sample Paper (2B-Data Comm & Net)

- **Questions** from AS Comp App and CE CIT Mod C

- **Sub-topics**
  - Data communications and networking basics (38 hrs)
  - Network design and implementation (26 hrs)
  - Network management and security (11 hrs)
Sample Paper (2C-Multimedia Production & Web Site Development)

- **Question 3** (new topic: *Multimedia Production*)
  - iii. Multimedia products – e.g. Multimedia editing and processing, multimedia design factors
Sample Paper (2D-Software Development)

- Programming languages (similar to ALCS)
  - Pseudo Codes ([Question 1](#))
  - C, Java, Pascal, Visual Basic ([Question 3](#))
SBA

- **2005 CE CIT**
  - Teachers agreed one coursework title per module

- **2007 ASCA & ALCS**
  - Teachers objected one project title per subject
  - Two project titles for ASCA and ALCS

- **2012 HKDSE ICT**
  - One project title per Elective ?
  - Four project titles for four Electives ?
  - Several project titles per Elective ?
SBA

- Require knowledge of
  - Compulsory Part (55%)
  - Elective Part (25%)

- 2008 ASCA Project Titles

  Title 1: Web-based Library System
  Title 2: Applications of RFID (Radio Frequency Identification) in School
Can they be the project titles for the Elective Parts?
- Databases
- Data Communications & Networking
- Multimedia Production & Web Site Dev.
- Software Dev.

Teachers are welcome to give feedback on the questionnaire
Practice Papers

- Live exam papers close to 2012 HKDSE exam papers
- Get familiar with the exam requirements
- Similar to the practice papers of CE English & Chinese languages exam in 2007
- Disseminated in early 2012
Thank You