# Information & Communication Technology

#### **Compulsory Part**

#### **Elective Part**



## **Compulsory Part**

# Unit A : Information Processing

- Data Organization and Control
- Multimedia Elements and Digitization
- Word Processing
- Spreadsheet
- Database
- Multimedia Presentation





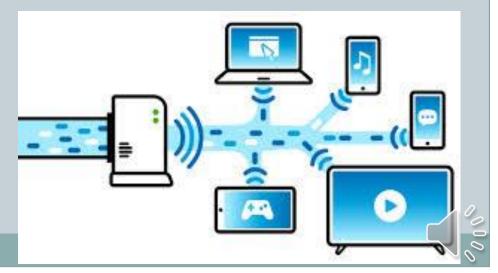
#### **Unit B: Computer System Fundamentals**

- System Unit of a computer system
  - Input and Output Devices
  - Secondary Storage Devices
  - System Software and Application Software



#### **Unit C: Internet and Its Applications**

- The Networking Basics
- Communication Software and Protocol
- Internet Services and Applications
- Introduction to HTML
- Elementary Web Authoring



#### **Unit D: Computational Think and Programming**

- Problem Solving Procedures
  - Algorithm Design
  - Algorithm Testing

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## **Unit E: Social Implications**

- Equity, Work and Health Issues
- Intellectual Property
- Threats and Security on the Internet



## **Elective Part**

- Module 1: Databases
  - Relational Databases
  - Introduction to Database Design Methodology





## **Elective Part**

- Module 2: Algorithm and Programming
  - Python Programming
  - Algorithm Design
  - Application of Programming in Real Life



# **HKDSE Examination**

- Paper I (55%)
  - 2 hours
  - about compulsory part
- Paper II (25%)
  - 1.5 hours
  - about elective part
- School Base Assessment (20%)
  - Develop a software for a specific purpose

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