Information and Communication Technology

(for students studying in S4 in the 2013/14 sy and taking the 2016 HKDSE Exam)

Why do you need to study Information and Communication Technology (ICT)?

Citizens in the 21st century need to understand the principles and applications of information and communication technologies in order to function efficiently in the society. In order to maintain the competitive edge of the territory in the world, it is essential to develop students' interests and capabilities in information and communication technologies. Rapid advances in information and communication technologies do not only initiate economic changes and business restructuring, but also affect skills and employment, contributing significantly to economic growth and wealth creation.

What will you learn from ICT?

The ICT curriculum aims to prepare students with knowledge, practical skills and an understanding of the processes involved in problem-solving using technology. It encompasses problem identification, solution and design, and the applications of ICT knowledge and skills in these processes. It should also be a means to develop students' intellectual capacity and lifelong learning skills. The course also provides opportunities for the development of students' key generic skills such as critical thinking, communication, creativity and problem-solving. The curriculum structure is as follows:

The Compulsory Part	The Elective Part
Five Modules: ➢ Information Processing ➢ Computer System Fundamentals ➢ Internet and its Applications ➢ Basic Programming Concepts ➢ Social Implications	Four Options: (Choose one only) ➢ Databases ➢ Data Communications and Networking ➢ Multimedia Production and Web Site Development ➢ Software Development

How will you be assessed in ICT?

Public examination

The public assessment will consist of a public examination component and a school-based assessment (SBA) component. Public examination Paper 1 (Compulsory part) and Paper 2 (Elective part) will carry 55% and 25% of the subject mark respectively.

School-based Assessment

School-based Assessment consists of one project assignment which will carry 20% of the subject mark. The project assignment is evaluated in accordance with the following categories:

- Design & Implementation
- Testing & Evaluation
- Conclusion & Discussion
- Project Management

How can the subject help you prepare for your future?

- Students studying ICT will contribute significantly to preparing them for further studies in related fields, such as computer science, computer engineering, information system and multimedia design.
- After the study, students can pursue their careers in the following areas, including programming, software development, hardware design, network management, webpage design, graphics design and multimedia design.

For further information, please refer to EDB's website "New Academic Structure Web Bulletin" (http://334.edb.hkedcity.net/EN/) or consult your teacher.