

# Information and Communication Technology

ICT is the technology required for information processing, i.e. for the creation, manipulation, storage, retrieval and communication of information. They are of immense value in a world in which there is an “information explosion”, and where knowledge is complex, ever-changing and cross-disciplinary in nature.

The senior secondary ICT curriculum provides 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.

The senior secondary ICT curriculum relates to many aspects of modern life and to diverse fields of study within and beyond senior secondary education. Students will be exposed to a variety of intellectual challenges involving problem-solving, communication and a range of associated practical skills and concepts. Studying this course will contribute significantly to the education of students by providing pathways into the workforce or preparing them for further studies in ICT-related fields. The course also provides opportunities for the development of key generic skills such as critical thinking, communication, creativity and problem-solving, in contexts that derive naturally from the learning objectives, outcomes and experiences.

<b>Curriculum</b>	
1. The Compulsory part	A. Information Processing B. Computer System Fundamentals C. Internet and its Applications D. Basic Programming Concepts E. Social Implications
2. The Elective part (Our school)	A. Databases B. Data Communications and Networking
3. School-based Assessment	A. Individual Project
<b>Prospect</b>	
1. Universities	A. Computer Science B. Computer Engineering C. Electronic Engineering D. Mathematics and Information Engineering E. Design
2. Careers	A. Teacher B. System Analyst C. Analyst Programmer D. Web Site Designer E. Network Engineer F. Database Administrator G. IT Auditor H. ICT Instructor I. Computer Technician

References:

[http://www.edb.gov.hk/FileManager/EN/Content\\_5999/ict\\_final\\_e.pdf](http://www.edb.gov.hk/FileManager/EN/Content_5999/ict_final_e.pdf)

[http://www.edb.gov.hk/FileManager/EN/Content\\_6440/university%20entrance%20requirements\\_eng\\_090305.pdf](http://www.edb.gov.hk/FileManager/EN/Content_6440/university%20entrance%20requirements_eng_090305.pdf)

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