

ORIENTASI JURULATIH KEBANGSAAN MATA PELAJARAN ICT

Grand Continental Hotel,
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AIM

- to provide students with knowledge and skills in ICT to enable them to solve problems and make informed decisions in everyday life based on positive attitudes and noble values, and to develop concerned, dynamic and progressive individuals with an ICT culture that values knowledge and ethics towards the technological advancement of the nation.

OBJECTIVES

Learners should be able to:

- acquire knowledge about ICT principles, processes and related fields
- examine and understand ICT principles, processes and related fields
- communicate and manage information effectively through ICT

OBJECTIVES (CONT.)

- apply ICT knowledge and skills in the learning area to be taught
- generate ideas and produce problem-solving output by using either multimedia, programming or database application to meet identified needs
- show awareness of the technology usage and impact on the individual and society through ethical practices
- appreciate the role and significance of ICT and its impact on society and economy

CONTENT ORGANISATION

The curriculum emphasises the integration of

- Knowledge
- Skills
- Values

TEACHING-LEARNING APPROCHES

- The ICT curriculum comprises six learning areas which need not be implemented in the order as organised in the syllabus
- Teachers are encouraged to apply self-directed, self-accessed, self-assessed and self-paced (SeDAAP) approaches whilst acting as facilitators in teaching the six learning areas

TEACHING-LEARNING APPROCHES (CONT.)

- The teacher has to play an important role in teaching the concepts and skills of each learning area.
- The ICT curriculum is process-based. As the teaching and learning strategies are *hands-on* and *minds-on*, much of the teaching-learning processes are practical in nature.

SYLLABUS CONTENT

- Information and Communication Technology and Society
- Computer Systems
- Computer Networks and Communications
- Multimedia
- Programming
- Information Systems

SYLLABUS CONTENT (CONT.)

- Concept
- Skills – project (group/individual)
- Current development of ICT – research/
study

IMPLEMENTATION

- Implementation year 2006 (form 4)
 - Information and Communication Technology and Society
 - Computer Systems
 - Computer Networks and Communications
- Implementation year 2007 (form 5)
 - Multimedia
 - Programming
 - Information Systems

IMPLEMENTATION

- Implementation year 2007 (form 4)
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IMPLEMENTATION

Learning Area	Year 2006 (form 4)	Year 2007 (form 5)	Year 2007 (form 4)
Information and Communication Technology and Society	✓		✓
Computer Systems	✓		✓
Computer Networks and Communications	✓		✓
Multimedia		✓	✓
Programming		✓	✓
Information Systems		✓	✓



Supporting Materials

- Content Specification
- Learning Module
- Teaching Courseware

Q & A

THANK YOU

GOOD LUCK



Knowledge

Curriculum consists of:

- concepts, facts and terminologies of ICT
- procedures in managing computer systems
- sequential processes in developing products
- programming commands and syntax
- current and future issues related to ICT



Skills

The skills in the ICT curriculum are:

- Communication Skills
- Information Management Skills
- Managing Computer Systems
- Problem-solving Skills

Values

- Inherent within any successful use of ICT is the ability to handle information systems with diligence, accuracy, precision and confidence. Furthermore, the codes of ethics of communication in ICT will instil qualities like responsibility, respect, cooperation and accountable.

Content Specification

- a document that contains detailed explanations of the basic information required within the subject curriculum. It is designed as a teaching guide to help the teacher interpret and implement the ICT syllabus in the classroom

Content Specification (cont.)

contains the following information:

- The various topics and recommended duration of each topic
- The learning outcomes of each topic which describe the skills to be acquired by students at the end of the allotted time
- Suggested activities for each topic. Teachers are free to select any or all of the recommended activities or to design their own

Content Specification (cont.)

1.0 INFORMATION AND COMMUNICATION TECHNOLOGY AND SOCIETY

(6 WEEKS)

TOPICS	LEARNING OUTCOMES		SUGGESTED ACTIVITIES
1.1 Introduction to Information and Communication Technology (4 periods)	1.1.1	Overview of Information and Communication Technology (ICT) 1.1.1.1 Define ICT. 1.1.1.2 Describe the brief evolution of computers.	Individual/Group task <ul style="list-style-type: none"> List the differences between computerized and non-computerized systems using search engines. Discuss and list the differences between computerized and non-computerized systems. Conduct a simple survey of ICT usage in the community.
1.1.2	ICT In Everyday Life: Education, Banking, Industry and Commerce 1.1.2.1 List the usage of ICT in everyday life. 1.1.2.2 State the differences between computerized and non-computerized systems. 1.1.2.3 State the impact of ICT on society.		

Content Specification (cont.)

- **SCHOOL REQUIREMENTS FOR OFFERING THE ICT SUBJECT – page 5**
- **SUGGESTED READINGS – page 6**