

Unit	Date	Per	Topics	Activities	Resources	Homework/ Assessment
Computer Systems	June	14	Central Processing Unit Fetch Execute Memory Busses  Data representation Numbers Text Graphics	ASCII Code worksheet Binary hyper-stack Data Storage worksheet	Scholar Booklet HSDU Systems booklet KHS Intranet links  CPU.pps  Number systems info sheet Data representation mind-map  ASCII code chart	Outcome 1 Extension Exercise (HSDU)  Systems Homework Questions
	Aug To Oct	70	Factors Affecting Performance CPU Interfaces  Computer Categories Mainframe Desktop Laptop Palmtop  Networking Data Integrity  Software Operating Systems Application Software Programming Languages  Peripherals Input Output Storage  System Specification	Compiler/interpreter loop exercise  Programming Language comparison worksheet  Declarative programming worksheet  Excel Basic  Word Basic	CPU.pps  Computer Categories.pps  Networks info sheet  Operating Systems.pps HCI Developments info sheet  Compiler/Interpreter comparison sheet  Data Formats sheet Integration Vs Stand-alone info sheet Language Classification.pps Lang classification mind-map Lang characteristics mind-map  HSDU Peripherals Booklet	LO1 & 2 Assessment  Q from scholar and HSDU  Outcome 2 Extension Exercise (HSDU)  Past paper booklet  Peripheral Comparison Assessment  LO 4 Practical Assessment

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Software Development	Oct To Jan	70	Software Development cycle Analysis Design Implementation Testing Documentation Evaluation Maintenance  Software Development Environment  Program Design Methods Control Structures Algorithms Modularity Data Types Data Flow  Java programming	Sequence ex P 98 Selection ex P 106 Repetition ex P 116 Data Structures ex P 121  GUI example Building applets	Scholar notes  Swing.pps  Software development process.pps  Software Development Cycle mind-map  Procedural Program design mind-map High Level Languages notes  Control structures.pps  Algorithms notes  HSDU booklet + Java notes  Java Workshop Do-while example While-do example  Parameters example  Ex 6 worked example	LO1 & 2 Assessment  HSDU Homework Q  Lothian Homework Q  Past paper booklet  LO 3&4 Practical Assesment

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Computer Networking	Jan To April	70	Applications of Networks  Characteristics of Networks  Using a Network	Usenet Email  Serial connection exercise  POP3 SMTP NNTP and HTTP protocol exercises FTP exercise  Java chat server  Install mail client and web browser  Install web server Install mail server Install FTP server	Scholar Notes  HSDU Notes  NORTEL Glossary  Data transmission sheets  Warriors of the Net video    Dedicated mini network: NT server, NT workstation, W98	LO1&2 on-line Assessment   Networking homework sheets  Past paper booklet       LO4 Investigation