

COMPUTER STUDIES FORM 4 2009-2010

Textbook *Computer Studies* (Second Version) published by Merlin

TERM	Chapter Number	Topic	Description
1	Chapter 22	Design Algorithms and Flow Charts	A Flow chart is needed to see how a program will work or how it is working. Special symbols are used to describe different sections of the code.
1	Chapter 16	Programming Languages	Explanation of the differences between some of the available programming languages. The jobs of an interpreter, a compiler and an assembler are explained in detail.
1	Chapter 21	Errors and Validation Techniques	Validation checks are very important to ensure that the correct information is entered in a computer.
1	Chapter 20	Documentation	Documentation is one of the most important things in programming. It is needed to describe in detail a program for future references.
2	Chapter 23 P2	Computer Arithmetic	Continuation of the chapter started in the previous year about computer arithmetic. We will be doing binary Addition, Subtraction and Multiplication and Negative numbers.
2	Chapter 12	Peripherals Input & Output Devices	A detailed description of the basic and special input and output hardware and its use.
2	Chapter 13	Storage	In order to store data the computer uses primary and secondary storage. This chapter will illustrate how these work and when they are used.
3	Chapter 19	System Analysis	A very detailed description of the main stages of the system analysis.
3	Revision	Revision	Revision of the topics done during this year and the topics done in the previous year.

Project – Programming using Turbo Pascal V7 – should be finished by April. The practical sessions will be dedicated to helping the students build this project.

Assessment scheme:

When	Criteria	Marks
Novemeber Test	Class test	50
November Assessment	Class work, homework, attitude, behaviour & participation during lessons	10
Mid-Year Exam	Exam	100
Mid-Year Assessment	Class work, homework, attitude, behaviour & participation during lessons	20
Annual Exam	Exam	100
Annual Assessment	Project	10
	Class work, homework, attitude, behaviour & participation during lessons	10