

COMPUTER STUDIES FORM 3 2009-2010

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

| TERM | Chapter Number | Topic | Description |
|------|------------------------|----------------------|---|
| 1 | Chapter 9 | Introduction | General Terms and basics in computing. |
| 1 | Chapter 14 | Software | Detailed description of different types of software used and purpose. |
| 1 | Chapter 15 | Application Software | Description and definition of Word Processors, DTP, Spreadsheets, Databases. |
| 2 | Chapter 18 | File Maintenance | Distinction between tables and arrays, master files and transaction files. The grand father, father, son updating method. Serial and Direct Organisation. |
| 2 | Chapter 23 (till 23.8) | The Number System | Using Binary, Hexadecimal, and Decimal. Conversion methods between the above numeric representations. |
| 2 | Chapter 11 | Logic Gates | The use of logic gates in computing and in normal day electronics. The purpose of each type of logic gate and the corresponding truth tables. |
| 3 | Chapter 10 | The CPU | In this topic we are going to see the main components of the CPU and see what is their role and how they work. |

The SEC syllabus includes three projects, database, programming and system analysis. These 3 projects together amount to 15 % of the SEC mark. During this year we finish 1 of the 3 projects (Database using Ms Access) and introduce programming (Turbo Pascal V7). The practical sessions will be dedicated to help the students prepare these projects.

The database project using Microsoft Access should be finished by the end of February. From March onwards we will start an introduction to programming using Turbo Pascal even though the final project will be finished at the end of Form 4.

Assessment scheme:

| When | Criteria | Marks |
|---------------------|---|----------|
| November 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 Class work, homework, attitude, behaviour & participation during lessons | 10 10 |