

# Long term Plan Subject: Computer Science YEAR 12

Term	Topic(s)	Assessed work	Additional details
1 a 7 weeks 42_lessons	Begin Coursework 1.1.1 Structure and function of the processor 1.1.2 Types of processor 1.1.3 Input, output and storage 1.2.1 Operating Systems 1.2.2 Applications generation 1.2.3 Introduction to programming	Each Unit individually assessed using practice paper questions. If students fall below expectations they will be offered the chance to re-sit the test.	Students to submit Coursework proposals to OCR. Knowledge recall style questions. Some questions answered using flowcharts and pseudocode
1b 7 weeks 42_lessons	1.3.1 Databases 1.3.2 Networks 1.3.3 Web Technologies 1.4.1 Data Types 1.4.2 Data Structures 1.4.3 Boolean Algebra	Each Unit individually assessed using practice paper questions. If students fall below expectations they will be offered the chance to re-sit the test.	Entity relationship diagrams, HTML, SQL coded answers. Denary to Hexadecimal to Binary Conversion and Boolean expressions, Flip Flop Charts, mathematical and procedural questions.
2a 7 weeks 42_lessons	1.5.1 Computing related legislation 1.5.2 Ethical, moral and cultural issues 2.1.1 Thinking abstractly 2.1.2 Thinking ahead	Each Unit individually assessed using practice paper questions. If students fall below expectations they will be offered the chance to re-sit the test.	These are extended answers requiring in-depth analysis. Extended answers to include explanation, description and justification. Questions to be answered using either Flow Charts or Pseudocode.
2b 5 weeks 30_lessons	2.1.3 Thinking procedurally 2.1.4 Thinking logically 2.2.1 Programming techniques		Questions to be answered using either Flow Charts or Pseudocode.
3a 5 weeks 30_lessons	2.2.2 Software Development 2.3.1 Algorithms	13 <sup>th</sup> June -Exam Week	Questions to be answered using either Flow Charts or Pseudocode.

3b 7 weeks 42-lessons	Whole course recap and Revision. Conclude Analysis, Design, Development phases of Coursework	Coursework assessed by Mr Haysom before hand-back and work- ons over summer. Whole past papers used to recap, weaknesses identified and targeted.	Use of whole past papers and then targeted questions once weaknesses identified.
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