

Subject: Computing Year 11

Learning Block 1

KNOWLEDGE	Controlled Assessment (NEA) This will be released on 1st September 2017. Students will be assessed on their computational thinking skills and the ability to design and write a program to solve a problem.
SKILLS	Design, development, testing and evaluation.
ASSESSMENT	Written documentation that evidences the above tasks. Students will need to produce pseudocode, flowcharts, a test table and screenshots to evidence what they can do. 20% of the final grade.

Learning Block 2

KNOWLEDGE	Operating Systems: System Security & System Software. Ethical, legal, cultural and environmental concerns. Algorithms. Translators and facilities of programming languages.
SKILLS	To apply knowledge about these topics. To produce flowcharts and complete pseudocode.
ASSESSMENT	Final examination in June (1 ½ hours).

Learning Block 3 & 4

KNOWLEDGE	To revise all topics from Year 10 and the above. <ul style="list-style-type: none"> • Systems Architecture. • Memory. • Storage. • Wired and wireless networks. • Network topologies, protocols and layers. • Computational logic. • Data representation.
SKILLS	To apply knowledge about these topics.
ASSESSMENT	2 Final examinations in June (1 ½ hours each). Each exam is 40% of the final grade.