



FINAL EXAMINATION PORTION – MAY/JUNE 2022
COMPUTING- YEAR 8

1. Computational Thinking

1.1 What do I know?

1.2 Using Pseudocode

1.3 Exhaustive search Algorithms

- Abstraction and Exhaustive Search Algorithms

1.4 Sort algorithms

- Insertion sort
- Bubble sort

1.5 More search algorithms

- Linear/Serial search
- Binary search

3. Data and the CPU

3.1 Bits, bytes and base2

- Convert Decimal to Binary
- Convert Binary to Decimal

3.2 Adding in Binary

3.3 Measuring computer memory

3.4 Digital images

3.5 How computers store true colour

3.6 Image quality

4. Introduction to Python

- 4.1 Calculate
(Data types, Operators, Input/Output)
- 4.2 Repeat
(Iteration using FOR loop)
- 4.6 Validate input
(Selection using IF)

**NOTE: REFER TEXTBOOK, POWERPOINT PRESENTATIONS
AND WORKSHEETS POSTED IN GOOGLE CLASSROOM**