



Subject	Computer Science		
Title/Topic	Format	Length	WC
Part 1 – Programming Terminology	Multiple Choice	45 minutes	28 November
Part 2 – Writing Code	Written Answer	45 minutes	28 November

### My Advent assessment will test my knowledge on...

**Part 1 – Answering short questions** about all of the programming techniques and terminology introduced so far including-

- Variables and Datatypes
- Arithmetic, Comparative and Boolean operators
- Programming constructs – Sequence, Selection and Iteration
- Selection – If Elif Else
- Iteration – For and While loops
- Casting Functions
- Lists and Arrays of data

**Part 2 – Writing Python code for problems**

that may include-

- Creating variables to store different types of data
- Output messages to the user and read in responses (print/input)
- Using iteration such as FOR loops and WHILE loops
- Using selection (IF ELSE) to provide different pathways in a program
- Use of different operators – Mathematical, comparative and boolean
- Use of casting techniques such as str(), int() and float()
- Use of functions and procedures
- Use of lists/arrays for storing multiple pieces of data



### What should I do to revise and prepare for this assessment?

To prepare for this assessment:

1. Watch the GCSE Pod videos for the topics above that you feel least confident about
2. Make notes about the key points highlighted in the video.
3. Ask Mr Jackson for additional help and advice if you are struggling with any topics.

### What useful websites/resources could I use to help me prepare?

[www.gcsepod.com](http://www.gcsepod.com)

[www.youtube.com](http://www.youtube.com) (Search "craigndave gcse computer science")

[www.isaaccomputerscience.org](http://www.isaaccomputerscience.org)