



Subject	Computer Science	
Title/Topic	Format	Length
Part 1 – Programming Techniques	Short Answer	45 mins
Part 2 – Writing programs	Written paper with coding-like questions	45 mins

In this Advent assessment I will be asked to show I can...

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?



Use the class booklet and knowledge sheets to revise key terms and knowledge.

Complete the revision homework tasks and practice questions

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

You can access your files at home via your Office 365/OneDrive