



Subject	Computer Science		
Title/Topic	Format	Length	WC
Year 8 EOY Assessment – All units	On-screen MCQ	45 minutes	12 June or 19 June

This assessment will test my knowledge on...

From Unit 8.1 Python Turtle....

- Control the turtle in Python using basic commands `fd()`, `bk()`, `rt()` and `lt()`.
- Use variables in a program to store data
- Read pre-written programs and predict what they do
- State the purpose of loops in a program
- Understand how FOR loops operate in a program
- Understand how WHILE loops operate in a program
- Use `print` and `input` commands to interact with the user.
- Combine different techniques together to solve a problem

From Unit 8.2 Data Representation....

- Convert 8-bit binary numbers into denary (normal decimal) numbers
- Convert denary numbers into 8-bit binary numbers
- Add binary numbers together
- Convert binary numbers into hexadecimal
- Convert letters into binary using the ASCII table (provided)
- Describe the difference between ASCII, Extended ASCII and Unicode
- Describe how bitmap images use binary to store a picture
- Describe key features of images including pixels, resolution and colour depth
- Calculate file sizes of images based on their properties – width, height and colour depth

From Year 7 – 7.1 Hardware and Software



- Identify examples of different “computer systems”
- Identify the main components of a “computer”
- State the purpose of different components
- Classify hardware appropriately – either Input or Output
- Select appropriate devices for a purpose
- Understand the relationship between hardware and software
- Identify the main features of an Operating System
- Select appropriate software for a task

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

1. Carry out the revision activity set by your teacher – to create a revision diagram or notes page.
2. Look back through each lesson in your booklet and refresh your memory of the content covered. Make notes and practice writing out key points.
3. Look back at the programs you made on Repl.it and familiarise yourself with Python
4. Use look, cover, check using the knowledge organisers on the back of your Unit workbooks.

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

You can access all the Advent term resources here:

https://delislecollege-my.sharepoint.com/:f:/g/personal/matthew_jackson_delisle_leics_sch_uk/EhZ6SEjGs5VPqWzpOY8gcN4Bh_njOkCpcz-ToB1Gkk0jlw?e=7WRH6J