



Subject	Computer Science – Year 8		
Title/Topic	Format	Length	WC
Year 8 EOY Assessment – All units	On-screen MCQ, short answer and coding	45 mins	

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

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



1. Carry out the revision activity set by your teacher on Satchel
2. Read through your booklets available on our Onedrive.
3. Use look, cover, check using the knowledge organisers each.

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

You can access all the resources for each unit on the OneDrive

Homework activities are set on Seneca/Satchel

Where can I access specific revision resources

(If you wish you can place a link to a One-Drive folder containing revision resources for the Year 7 Advent assessment)