Subject	Computer Science	
Title/Topic	**Format**	**Length**
9.1 How does the internet work	One screen, MCQs and short answer	45 minutes

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

- Describe a WAN and LAN
- Describe a network
- Identify common hardware needed to build a network
- Identify benefits and drawbacks of networks and the internet
- State the purpose of IP address and how they are used
- Describe Star and Mesh topologies
- Identify the main characteristics of the internet
- Identify the purpose of the main protocols used in networking – HTTP, IMAP, SMTP, TCP/IP etc.

From Year 8

- Binary numbers – converting binary to denary, denary to binary
- Data storage – calculating and converting file sizes eg, from KB to MB
- Image – What is a bitmap
- Python Programming – What is a variable?
- How do we move and draw shapes with the python turtle?
- How do we use for loops to repeat instructions?
- Changing properties of the pen, like colour and size

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 in your booklet

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

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