Subject Computer Science and ICT	Year and Term Year 9 – Autumn Term 1	Time of Assessment W/B: 14th October 2024

Knowledge to be Assessed:

- How data is inputted, processed, stored and outputted by computers.

- The different data types

- Converting binary numbers to decimal and back again.

- Converting binary numbers to hexadecimal

- Converting binary to text using the American Standard Code for Information Interchange

Skills to be assessed:
Students will be assessed on how a computers works and how they store data. They will be asked about the different data types, and how the binary number system works. Students will need to be able to convert decimal numbers to binary and binary to text using ASCii. Converting Hexadecimal.

Resources to help Revision:

- Knowledge Organiser placed on Teams

- BBC Bitesize

Emerging	Developing	Secure	Mastering	Extending
Identify the four main components of a computer system.	Identify the four main components of a computer system and list parts. Describe what binary is.	Explain the four main components of a computer system and categories different parts. Understand how binary and hexadecimal number systems work and convert to denary using structures.	Explain the four main components of a computer system and categories different parts. Understand how binary and hexadecimal number systems work and convert complex numbers to denary.	Explain the four main components of a computer system and categories different parts. Describe what binary and hexadecimal number systems work and convert complex numbers to denary and back again.