KS3 Assessment Criteria: ICT

	Flight Path 1: GCSE grades 1 and above	Flight Path 2: GCSE grades 2 and above	Flight Path 3: GCSE grades 4 and above	Flight Path 4: GCSE grades 6 and above
Year 7	**Mastery Indicators** **Digital literacy** • you will have some understanding of issues surrounding E-Safety and a basic understanding of the measures you can take to keep yourself safe whilst online. **History of Computers** • you will have some understanding of history of computer and a basic understanding of current technology and future developments. **Data representation** • Understand how to decode a single string of binary information **Computer Systems** • You will have some understanding of the difference between input and output devices and some level of understanding of how computers work and some understanding of embedded systems **Computer Networks** • You will have some understanding what is meant by a Local Area Network (LAN) and some understanding what is meant by a Wide Area Network (WAN) and how to keep your computer secure on a computer network. **Computational Thinking** • You will have some understanding of the concepts of Computational Thinking to a range of problem-solving activities and some understanding of how to solve problems independently and logically.	**Mastery Indicators** **Digital literacy** • you will have a good understanding of issues surrounding E-Safety and a reasonable understanding of the measures you can take to keep yourself safe whilst online. **History of Computers** • you will have good understanding of history of computer and a reasonable understanding of current technology and future developments. **Data representation** • Understand how to code and decode strings of binary information **Computer Systems** • You will have a good understanding of the difference between input and output devices and a good level of understanding of how computers work and some understanding of embedded systems **Computer Networks** • You will have good understanding what is meant by a Local Area Network (LAN) and good understanding what is meant by a Wide Area Network (WAN) and how to keep your computer secure on a computer network **Computational Thinking** • You will have good understanding of the concepts of Computational Thinking to a range of problem-solving activities and good understanding of how to solve problems independently and logically.	**Mastery Indicators** **Digital literacy** • you will have an excellent understanding of issues surrounding E-Safety and an excellent understanding of the measures you can take to keep yourself safe whilst online **History of Computers** • you will have an excellent understanding of history of computer and a good understanding of current technology and future developments. **Data representation** • Understand how to perform binary addition **Computer Systems** • You will have an excellent understanding of the difference between input and output devices and an excellent level of understanding of how computers work and some understanding of embedded systems **Computer Networks** • You will have excellent understanding what is meant by a Local Area Network (LAN) and excellent understanding what is meant by a Wide Area Network (WAN) and how to keep your computer secure on a computer network **Computational Thinking** • You will have excellent understanding of the concepts of Computational Thinking to a range of problem-solving activities and excellent understanding of how to solve problems independently and logically.	**Mastery Indicators** **Digital literacy** • you will have an outstanding understanding of issues surrounding E-Safety and an excellent understanding of the measures you can take to keep yourself safe whilst online **History of Computers** • you will have an outstanding understanding of history of computer and an excellent understanding of current technology and future developments. **Data representation** • Understand how to imitate a binary shift to the left and right and understand its effects. **Computer Systems** • You will have an outstanding understanding of the difference between input and output devices and an outstanding level of understanding of how computers work and some understanding of embedded systems **Computer Networks** • You will have outstanding understanding what is meant by a Local Area Network (LAN) and excellent understanding what is meant by a Wide Area Network (WAN) and how to keep your computer secure on a computer network **Computational Thinking** You will have outstanding understanding of the concepts of Computational Thinking to a range of problem-solving activities and outstanding understanding of how to solve problems independently and logically

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	Flight Path 1: GCSE grades 1 and above	Flight Path 2: GCSE grades 2 and above	Flight Path 3: GCSE grades 4 and above	Flight Path 4: GCSE grades 6 and above
Year 8	**Mastery Indicators** **Data representation** • Understand how to decode a single string of binary information **Computer Systems** • You will have some understanding of the difference between input and output devices and some level of understanding of how computers work and some understanding of embedded systems **Python Programming** • You will have some understating of python and some understanding of the basic functions and improve programming efficiency. **Microsoft Office: (Database Module, Spreadsheet Module, PowerPoint Module, Publisher Module** • You will have some understating of Microsoft Office and some understanding of the basic functions within the packages. **HTML** • You will have some understanding of how to create a webpage using an online editor and how to perform some basic functions.	**Mastery Indicators** **Data representation** • Understand how to code and decode strings of binary information **Computer Systems** • You will have a good understanding of the difference between input and output devices and a good level of understanding of how computers work and some understanding of embedded systems **Python Programming** • You will have a good understating of python and a good understanding of the basic functions and improve programming efficiency. **Microsoft Office: (Database Module, Spreadsheet Module, PowerPoint Module, Publisher Module** • You will have a good understating of Microsoft Office and a good understanding of the basic functions within the packages. **HTML** • You will have a good understanding of how to create a webpage using an online editor and how to perform some functions.	**Mastery Indicators** **Data representation** • Understand how to perform binary addition **Computer Systems** • You will have an excellent understanding of the difference between input and output devices and an excellent level of understanding of how computers work and some understanding of embedded systems **Python Programming** • You will have an excellent understating of python and an excellent understanding of the basic functions and improve programming efficiency. **Microsoft Office: (Database Module, Spreadsheet Module, PowerPoint Module, Publisher Module** • You will have an excellent understating of Microsoft Office and an excellent understanding of the functions within the packages. **HTML** • You will have an excellent good understanding of how to create a webpage using an online editor and how to perform some functions.	**Mastery Indicators** **Data representation** • Understand how to imitate a binary shift to the left and right and understand its effects. **Computer Systems** • You will have an outstanding understanding of the difference between input and output devices and an outstanding level of understanding of how computers work and some understanding of embedded systems **Python Programming** • You will have an outstanding understating of python and an outstanding understanding of the basic functions and improve programming efficiency. **Microsoft Office: (Database Module, Spreadsheet Module, PowerPoint Module, Publisher Module** • You will have an outstanding understating of Microsoft Office and an outstanding understanding of the functions within the packages **HTML** • You will have an outstanding understanding of how to create a webpage using an online editor and how to perform some functions.

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