

## Computing Long Term Plan 2018 - 2019

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	Baseline assessment Computational Thinking	Hardware and Software Computational Thinking	Kodu Programming Computational Thinking	E-safety Computational Thinking	Relational Databases Computational Thinking	Independent Project Computational Thinking
8	Micro-bit Programming Computational Thinking	Spreadsheets	Data Representation using binary numbers Computational Thinking	Computers and the Law Computational Thinking	Storage devices Computational Thinking	Digital creativity Computational Thinking
9	How data is represented in computers? Binary Hexadecimal ASCII Text and images.	Analysing and developing Animations for different target audiences. Computational Thinking	Using appropriate software to create an Animation Computational Thinking	Operating systems and how computer systems store and execute instructions. Computational Thinking	Virtual build a computer Computational Thinking	Python Programming Computational Thinking
10	Programming Techniques Algorithms (J276/02)  Ethical, Legal, cultural and environmental concerns (J276/01)	Programming Techniques Computational Logic (J276/02)  Ethical, Legal, cultural and environmental concerns System Security (J276/01)	Programming Techniques Algorithms -Sorting (J276/02)  System Security (J276/01)	Programming Techniques Producing Robust Programs (J276/02)  System Software (J276/01)	Programming NEA Practice Producing Robust Programs (J276/02)  Systems Architecture (J276/01)	Programming NEA Practice Data Representation (J276/02)  Memory (J276/01)
11	R001 – Theory LO1 Understanding how ICT can be used to meet business needs  R002 – Using ICT to create business Solutions	R001 – Theory LO2 Know how to work with information and data to meet specific business needs  R002 – Complete all assessment elements	R001 – Theory LO3 Know how ICT can be used to support business working practices  R004 – Database Controlled Assessment	R001 – Theory LO4 Legal, Ethical and Security Issues  R004 – Database Controlled assessment	R001 – Exam Preparation and pre released material analysis	R001 – Exam Preparation and pre released material analysis