

Computing curriculum overview (long term plan)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Impact of technology: collaborating online respectfully (multiple choice test)	Networks: from semaphores to the internet (multiple choice test)	Using media: gaining support for a cause (multiple choice test)	Programming essentials in Scratch: Part I (Rubric assessment – Emerging, Expected, Exceeding)	Programming essentials in Scratch: Part II (multiple choice test)	Modelling data: spreadsheets (multiple choice test)
Year 8	Media: vector graphics (multiple choice test)	Representations: from clay to silicon (multiple choice test)	Mobile app development (multiple choice test) (Rubric assessment – Emerging, Expected, Exceeding)	Developing for the web (multiple choice test)	Computing systems (multiple choice test)	Introduction to Python programming (multiple choice test)
Year 9	Python programming with sequences of data (multiple choice test)	Media animations (Rubric assessment – Emerging, Expected, Exceeding)	Artificial Intelligence (multiple choice test) (Rubric assessment – Emerging, Expected, Exceeding)	Representations: going audio visual (multiple choice test)	Cyber Security (multiple choice test)	Physical Computing (multiple choice test) (Rubric assessment – Emerging, Expected, Exceeding)
Year 10	Topic 1 Basic programming constructs Student workbook 1 topic test 1	Topic 2 Algorithms and computational logic Student workbook 2 topic test 2	Topic 3 Advanced programming constructs Student workbook 3 topic test 3	Topic 4 Robust and secure programming Student workbook 4 topic test 4	Topic 5 Data representation Student workbook 5 topic test 5	Topic 6 Classification of programming languages Student workbook 6 topic test 6
Year 11	Topic 7 System software Student workbook/topic test 7	Topic 8 Systems architecture and storage Student workbook/topic test 8	Topic 9 Computer networks, protocols and layers Student workbook/topic test 9	Topic 10 Network and cyber security Student workbook/topic test 10	Topic 11 Ethical, legal and environmental issues Student workbook/topic test 11	Study Leave

The 1CP2 Edexcel Computer Science course is followed in Years 10 and 11.