Ormiston Victory Academy

IT and Computing	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7 Computing	E-Safety through Internet Searching/PowerPoint Presentation/Word Processing/Desktop Publishing		HTML Web Page Creation		Python Turtle Programming	
Year 8 Computing	Spreadsheets	Databases	Algorithms & Python Programming		Inside a Computing and Binary	
Year 9 Computing	Spreadsheets	Python Programming	Web Design and Content Creation	Ethical, Legal, Cultural and Environmental Concerns	User Interfaces	Inside a Computing and Binary
Year 10 Computer Science - OCR GCSE Computer Science	Students to explore Unit 1 theory for 01 exam. Students will explore systems architecture, memory and storage.	Students to explore Unit 1 theory for 01 exam. Students will explore wired and wireless networks, network topologies and protocols and layers.	Students to explore Unit 1 theory for 01 exam. Students will explore system security and system software.	Students to explore Unit 1 theory for 01 exam. Students will explore ethical, legal, cultural, and environmental concerns and data representation.	Students to complete their Non-Exam Assessment programming projects over 20 hours of class time.	Students to finalise their NEA programming projects, completing the remaining few hours of the projects. Students to also recap Unit 1 theory for 01 exam.
Year 10 IT - BTEC Tech Award Level 1/2 in Digital	Students will develop skills required for Component 1 coursework.	Students will complete their component 1 coursework.	Students will develop skills required for Component 1 coursework.	Students will complete their Component 2 coursework.	Students will explore the theory content for the Component 3 exam	Students will explore the theory content for the Component 3 exam

Information Technology	Students will look at effective user interfaces and implement and evaluate one.		Students will look at effective user interfaces and implement and evaluate one.			
Year 11 Computer Science - OCR GCSE Computer Science	Students to complete their Non-Exam Assessment programming projects over 20 hours of class time.	Students to finalise their NEA programming projects, completing the remaining few hours of the projects. Students to also recap Unit 2 theory for 02 exam.	Students to recap Unit 01 Computer Systems theory.	Students to recap Unit 01 Computer Systems theory.	Students will revise Unit 01 and Unit 02 theory.	Students will revise Unit 01 and Unit 02 theory.
Year 11 IT - BTEC Tech Award Level 1/2 in Digital Information Technology	Students will revise Component 3 theory.	Students will revise Component 3 theory.	Students will revise Component 3 theory. Students will take the Component 3 exam	Students will revise Component 3 theory.	Students will revise Component 3 theory. Students have the ability to take the Component 3 exam again.	
Year 12 Computing - BTEC Level 3 National Extended Certificate in Computing	Students will be exploring the theory of Computing for Unit 1 exam. Students will explore Computational	Students will be exploring the theory of Computing for Unit 1 exam. Students will explore Programming	Students will be applying the Unit 1 theory to exam questions. After the exam, students will be practicing the skills required for	Students will be applying the skills required to the Unit 7 IT Systems Security and	Students will be applying the skills required to the Unit 7 IT Systems Security and Encryption coursework.	Students will be recapping the Unit 1 theory for the exam retake. Students will also explore the

	Thinking and Standard Methods and Techniques used to develop Algorithms.	Paradigms and Types of Programming and Mark-up Languages.	the Unit 7 IT Systems Security and Encryption coursework.	Encryption coursework.	Students will also be recapping the Unit 1 theory for the exam retake.	theory for the Unit 2 exam.
Year 12 IT - BTEC Level 3 National Extended Certificate in Information Technology	Students will be exploring the theory of IT for Unit 2 exam.	Students will be exploring the theory of IT for Unit 2 exam.	Students will be applying the Unit 2 theory and skills to exam questions. After the exam, students will be practicing the skills required for the Unit 3 coursework.	Students will be applying the skills required to the Unit 3 coursework.	Students will be applying the skills required to the Unit 3 coursework. Students will also be recapping the Unit 2 IT theory for the exam retake.	Students will be recapping the Unit 2 IT theory for the exam retake. Students will also explore the skills required for the Unit 1 exam.
Year 13 Computing - BTEC Level 3 National Extended Certificate in Computing	Students will be exploring the theory of Computing for Unit 2 exam. Students will explore Hardware and Software, Computer Architecture and How Data is Represented by Computer Systems.	Students will be exploring the theory of Computing for Unit 2 exam. Students will explore How Data is Transmitted by Computer Systems and the Logic and Data Flow in Computer Systems.	Students will be applying the Unit 2 theory to exam questions. After the exam, students will be practicing the skills required for the Unit 15 Website Development coursework.	Students will be applying the skills required to the Unit 15 Website Development coursework.	Students will be applying the skills required to the Unit 15 Website Development coursework. Students will also be recapping the Unit 2 theory for the exam retake.	Students will be recapping the Unit 2 theory for the exam retake.
Year 13 IT - BTEC Level 3 National Extended Certificate in	Students will be exploring the theory of IT for Unit 1 exam. Students will explore Digital	Students will be exploring the theory of IT for Unit 1 exam. Students will explore Protecting	Students will be applying the Unit 1 theory and skills to exam questions. After the exam,	Students will be applying the skills required to the Unit	Students will be applying the skills required to the Unit 5 Data Modelling coursework.	Students will be recapping the Unit 1 IT theory for the exam retake.

Information Technology	Devices, Transmitting Data and Operating Online.	Data and Information, Impact of IT Systems and Issues.	students will be practicing the skills required for the Unit 5 Data Modelling coursework.	5 Data Modelling coursework.	Students will also be recapping the Unit 1 IT theory for the exam retake.	