Computing

	Autumn	Spring	Summer
		Spring	Summer
Year 7	Under the hood of a computer	Programming an animation Programming an animation using programming techniques, such as sequences, iteration, procedures, selection and variables (Scratch) How the Web works Boolean search terms Evaluating content on the Web The positives and negatives of the Web Safety and social networking, reporting online abuse	 Web page creation Design, code and publish a web page (HTML and JavaScript) An introduction to programming with Python Artificial intelligence Start, write, edit, run and save an interactive simple program
Year 8	Programming with Python	Connecting to the Internet	 Legislation and ethical issues Health and Safety at Work Act Copyright Act Computer Misuse Act (viruses and data loss) Copyright, Designs and Patents Act The Digital Divide Impact of ICT An introduction to Databases Data types, fields, queries, Boolean operators, reoprts
Year 9	Animation techniques	Representing sounds	 Creating an App to solve a problem An introduction to Apps App development Idea generation and screening Product development and wireframes Designing and App using App inventor

KS4 Exam Board: Edexcel ICT					
Year 10	Theory: "Living in a Digital World" • Mobile Phones, Hardware, The Internet • Internet Safety • The Digital Divide Coursework: Activity 1 Controlled Coursework Task: Animal Shelter	Theory: "On the Move" • Satellite Navigation, GPS, Internet Based Services Skills Update: Modelling and Spreadsheets Coursework: Activity 2 Controlled Coursework Task: Animal Shelter	Theory: "Smart Working" • Health and Safety • Collaborative Working • Software • Data Loss and Backup Coursework: Activity 3 Controlled Coursework Task: Animal Shelter		
Year 11	Theory: "Entertain Me" Gaming Connecting to the Internet Networks Online dangers and Downloads Coursework: Activity 3 Controlled Coursework Task: Animal Shelter.	Theory: "Shopping Experience" • E-commerce • Fraud Exam Preparation – Edexcel Technology Update Coursework: Activity 4 Controlled Coursework Task: Animal Shelter			