

Fareham Academy – Computer Science Overview – Year 11

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Topic(s)	<ul style="list-style-type: none"> Full Curriculum Review Topic Isolation and Improvement Enhanced Programming Practice and Algorithm Management 	<ul style="list-style-type: none"> Enhanced Programming Practice and Algorithm Management Exam Technique and Practice Context Development Knowledge Gap Analysis and skills enhancement 	<ul style="list-style-type: none"> Enhanced Programming Practice and Algorithm Management Knowledge Organiser Research and Development Further programming development Include design, Testing and Implementation methods to manage a project 			OCR Computer Science (9-1) GCSE Paper 1 OCR Computer Science (9-1) GCSE Paper 2	
Professional Skills and Career Development	<ul style="list-style-type: none"> Partner programme with IBM to develop current and in-demand skills for those wishing to pursue a career in a computer science or STEM related area. 	<ul style="list-style-type: none"> Monthly skills review and update on accredited badges earned 	<ul style="list-style-type: none"> Face-to-face and/or remote based meetings with professionals to understand career possibilities 	<ul style="list-style-type: none"> Exploration of post-16 routes and options in computer science related careers 	<ul style="list-style-type: none"> Interview and CV development skills with feedback from professionals on how to maintain resilience, a strong mindset, and reduce stress. 		
Acquired Knowledge/Skills	<ul style="list-style-type: none"> Computational thinking as its core, helps students to develop the skills to solve problems, design systems and understand human and machine intelligence 	<ul style="list-style-type: none"> Applying the academic principles learned to real-world systems in an exciting and engaging way 	<ul style="list-style-type: none"> Engage in real-world digital problems and determine computer science based solutions on a global scale 	<ul style="list-style-type: none"> Gain practical experience in developing and evaluating programmes in multiple programming languages 	<ul style="list-style-type: none"> Become competent and efficient in using and operating a computer, understand risks or possible errors and take practical steps to be able to resolve them 	<ul style="list-style-type: none"> Giving students a clear progression into higher education, and provide a solid platform of learning 	
Assessments	<ul style="list-style-type: none"> PPE Assessments 2 Papers per final Exam 		<ul style="list-style-type: none"> Mock Assessments - 2 Papers per final Exam 		<ul style="list-style-type: none"> Formal GCSE Examination - 2 papers 		