

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
12	<p>COMP 1: Computer Architecture</p> <p>Knowledge and skills</p> <p>1.1.1 Structure and function of the processor (6)</p> <p>1.1.2 Types of processor (6)</p> <p>1.1.3 Input, output and storage (6)</p> <p>COMP 2: Programming & Computational thinking</p> <p>Knowledge and skills</p> <p>2.2.1 Programming techniques (10) (CL)</p> <p>2.1.1 Thinking abstractly (4)</p>	<p>COMP 1: Computer Systems</p> <p>Knowledge and skills</p> <p>1.2.3 Software Development (6)</p> <p>1.3.2 Databases (6)</p> <p>1.3.3 Networks (6)</p> <p>COMP 2: Programming & Computational thinking</p> <p>Knowledge and skills</p> <p>2.2.1 Programming techniques (8) (CL)</p> <p>2.1.2 Thinking ahead (4)</p>	<p>COMP 1: The Web.</p> <p>Knowledge and skills</p> <p>1.3.4 Web Technologies (7)</p> <p>COMP 2: OOP and Computational thinking</p> <p>Knowledge and skills</p> <p>2.2.1 Programming techniques (5) (OOP)</p> <p>2.1.3 Thinking procedurally (4)</p> <p>2.1.4 Thinking logically (4)</p>	<p>COMP 1: Issues and the Law</p> <p>Knowledge and skills</p> <p>1.5.1 Computing related legislation (5)</p> <p>1.5.2 Moral and ethical Issues (5)</p> <p>COMP 2: OOP and Computational thinking</p> <p>Knowledge and skills</p> <p>2.1.5 Thinking concurrently (4)</p> <p>2.2.1 Programming techniques (10) (OOP)</p>	<p>COMP 1: Data Structures</p> <p>Knowledge and skills</p> <p>1.4.2 Data Structures (5)</p> <p>COMP 2/3: Project planning</p> <p>Knowledge and skills</p> <p>2.2.2 Computational methods (10)</p> <p>2.3.1 Standard Algorithms (7)</p>	<p>COMP 1: Revision and prep.</p> <p>Knowledge and skills</p> <p>No new knowledge and skills will be taught, revision exercises will take place. (5)</p> <p>COMP 2/3 - Project</p> <p>Knowledge and skills</p> <p>3.1. Analysis of the problem – The project will be started here. (12)</p>

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
13	<p>COMP 1: Software</p> <p>Knowledge and skills</p> <p>1.2.1 Systems Software (8)</p> <p>1.2.2 Applications Generation (6)</p> <p>COMP 2: Recap</p> <p>Knowledge and skills</p> <p>1.2.3 Software Development recap – prep for the remainder of the project (4)</p> <p>COMP 3: Project (design stage)</p> <p>Knowledge and skills</p> <p>3.2 Design of the solution (10)</p>	<p>COMP 1: Encryption and compression</p> <p>Knowledge and skills</p> <p>1.2.4 Types of Programming Language (8) – Theory for the Comp1 exam</p> <p>1.3.1 Compression, Encryption and Hashing (6)</p> <p>COMP 2: Revision</p> <p>Knowledge and skills</p> <p>No new knowledge and skills will be taught, revision exercises will take place. (5)</p> <p>COMP 3: Project (development stage)</p> <p>Knowledge and skills</p> <p>3.3 Developing the solution (15)</p>	<p>COMP 1: Algebra</p> <p>Knowledge and skills</p> <p>1.4.1 Data Types (4)</p> <p>1.4.3 Boolean Algebra (8)</p> <p>COMP 2: Algorithms</p> <p>Knowledge and skills</p> <p>2.3.1 Algorithms (complex) (10)</p> <p>COMP 3: Project (evaluation and completion)</p> <p>Knowledge and skills</p> <p>3.4 Evaluation (8)</p>	<p>All knowledge and skills will be completed by this stage.</p> <p>Students will complete personalised revision addressing their weaker topic areas. This is to ensure they are completely ready for their A level examinations.</p>	<p>All knowledge and skills will be completed by this stage.</p> <p>Students will complete personalised revision addressing their weaker topic areas. This is to ensure they are completely ready for their A level examinations.</p>	<p>External A level exams</p>