

Subject and year group: <b>Computer Science AS Level KS5</b>	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic/Unit to be studied	Split teaching with 2 teachers. Teacher 1 (2 hours a week will deliver content from unit 1: Computing principles Teacher 2 (2 hours a week will deliver content from unit 2: Algorithms and problem solving Post Summer exams, both teachers will prepare students for A-level project					
Subject Content Outline	Unit 1: The characteristics of contemporary processors, input, output and storage devices Unit 2: Intro to algorithms and decomposition	Unit 1: Software and software development Unit 2: Python practical algorithms and decomposition	Unit 1: Exchanging data Unit 2: Elements of computational thinking	Unit 1: Data types, data structures and algorithms Unit 2: Problem solving and programming	Unit 1: Legal, moral and ethical issues Unit 2: Algorithms	AS Exams and then preparation for the project
Aims/Assessment Objectives	Students must: (% in GCE in brackets) AO1 Demonstrate knowledge and understanding of the principles and concepts of computer science, including abstraction, logic, algorithms and data representation. (36 %)  AO2 Apply knowledge and understanding of the principles and concepts of computer science, including to analyse problems in computational terms. (35 %)  AO3 Design, program and evaluate computer systems that solve problems, making reasoned judgements about these and presenting conclusions. (29 %)					
Assessment	On-going closing the gap assessments on tasks related to content taught. Tasks to have same rigour as	Assessment week and PPE week this half to test content learnt so far. Different assessments for each theme	On-going closing the gap assessments on tasks related to content taught. Tasks to have same rigour as	PPE week and On-going closing the gap assessments on tasks related to content taught. Tasks to have	On-going closing the gap assessments on tasks related to content taught. Tasks to have same rigour as	Summer exams for AS Level – all students to sit. On-going closing the gap assessments on tasks related to

