Parkside School Curriculum Map 2025/6

Applied: Computer Science

Year 11					
Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Algorithms Purpose: This unit will teach students vital problem solving skills, how to design a software solution to a given problem and prepare students for	Fundamentals of Programming Purpose: This unit will teach students the fundamentals of programming in Python allowing them to progress	Producing Robust Programs Purpose: This unit will ensure students know how to create a functional program that will handle user error or failures	Purpose: This unit will give students a deep understanding of boolean logic and how decisions are made based on an electrical signal.	Languages and IDE's Purpose: This unit will explore how high and low level languages differ and how programmers use the functions of IDE's to support	Students will be sitting their External GCSE Exams this Half Term.
their GCSE Exam. Overview of the knowledge and skills covered in this unit:	their skills and understanding toward the higher end of the GCSE Spec and further education.	gracefully. Overview of the knowledge and skills covered in this unit:	Overview of the knowledge and skills covered in this unit: Logic Diagrams	their development, giving students a good insight into software development for the future.	
 Computational Thinking Searches Sorts Pseudocode Flowcharts Trace Tables 	Overview of the knowledge and skills covered in this unit: • Sequence, Selection, Iteration • Stings	 Defensive Design Testing & maintainability How will this be assessed? Midpoint Assessment 	 Truth Tables Combining and applying Operators How will this be assessed? Midpoint Assessment 	Overview of the knowledge and skills covered in this unit: High level languages Low level languages Translators	
How will this be assessed? • Midpoint Assessment • Practice Exam Questions	 File Handling SQL Data Types How will this be assessed? Midpoint Assessment Practice Exam Questions November Mock Exams 	Practice Exam Questions	Practice Exam Questions	 Compilers and Interpreters & IDE's How will this be assessed? Midpoint Assessment Practice Exam Questions 	