



of a given algorithm and how an algorithm works								
1.1.4 understand how to determine the correct output of an algorithm for a given set of data								
1.1.5 understand how to identify and correct errors in algorithms								
1.1.6 understand how to code an algorithm in a high-level language								
1.1.7 understand how the choice of algorithm is influenced by the data structures and data values that need to be manipulated								
1.1.8 understand how standard algorithms (bubble sort, merge sort, linear search, binary search) work								
1.1.9 be able to evaluate the fitness for purpose of algorithms in meeting specified requirements efficiently using logical reasoning and test data								
1.2 Decomposition and abstraction								
1.2.1 be able to analyse a problem, investigate requirements (inputs, outputs, processing, initialisation) and								

design solutions								
1.2.2 be able to decompose a problem into smaller sub-problems								
1.2.3 understand how abstraction can be used effectively to model aspects of the real world								
1.2.4 be able to program abstractions of real-world examples								

**Review of previous examinations:**