

LONG TERM PLANS

Year Overview (Computing – Year 11 GCSE Computing)

ESS Faculty	
YEAR 11 GCSE Computing	
Autumn term	
Half term 1	Half term 2
Unit 1 (A451) – Theory/exam unit (2 lessons/fortnight) Computer hardware: CPU Binary logic Memory I/O devices Secondary storage Unit3 (A453) – Programming project (3 lessons/fortnight)	Unit 1 (A451) – Theory/exam unit (2 lessons/fortnight) Software: user interface memory management peripheral management multi-tasking and security Computer security Disk organisation System maintenance Clean-up Representation of data in computer systems: Units Number Character Images Sound Unit3 (A453) – Programming project (3 lessons/fortnight)
Spring term	
Half term 1	Half term 2
Unit 1 (A451) – Theory/exam unit (2 lessons/fortnight) Databases: The database concept DBMS Relational databases Unit3 (A453) – Programming project (3 lessons/fortnight)	Unit 1 (A451) – Theory/exam unit (2 lessons/fortnight) Computer communications and networking: Networks The Internet Programming: Algorithms Programming languages Control flow and imperative languages Handling data in algorithms Testing Unit3 (A453) – Programming project (3 lessons/fortnight)

Summer term

Half term 1

Unit 1 (A451) – Theory/exam unit (2 lessons/fortnight)
Programming:
 Algorithms
 Programming languages
 Control flow and imperative languages
 Handling data in algorithms
 Testing

Unit3 (A453) – Programming project (3 lessons/fortnight)

Half term 2

Unit 1 (A451) – Theory/exam unit (2 lessons/fortnight) – CONSOLIDATION of topics covered

Unit3 (A453) – Programming project (3 lessons/fortnight)