



MAGHULL HIGH SCHOOL – CURRICULUM MAP

HALF TERM 2.2 Feb - Apr	Lessons 1 - 3	Lesson 4 - 5	Lessons 6 - 7	Lessons 8 - 11	Lesson 12 - 13	Lesson 14 - 15
TOPIC (S)	Boolean logic	Revision and Retrieval	Producing robust programs Assessment and DIRT		Revision and Retrieval	Producing robust programs Assessment and DIRT
Knowledge & Skills development	Simple logic diagrams Applying logic operators and truth tables to solve problems Create, complete or edit logic diagrams and truth tables	Gain experience in answering computer system questions for component J277/01 and computational thinking, algorithms and programming questions for component J277/02	Demonstration of theory learnt in the unit of study	Characteristics of languages Low level programming Compilers and translation IDEs	Gain experience in answering computer system questions for component J277/01 and computational thinking, algorithms and programming questions for component J277/02	Demonstration of theory learnt in the unit of study
Assessment / Feedback Opportunities	Classroom activity - Class Discussion - Questioning pupils – verbal feedback	Classroom activity - Class Discussion - Questioning pupils – verbal feedback	Written Assessment	Classroom activity - Class Discussion - Questioning pupils – verbal feedback	Classroom activity - Class Discussion - Questioning pupils – verbal feedback	Written Assessment
Cultural Capital	Problem solving Impact of technology on the world					
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	<ul style="list-style-type: none">• Listening to others• Responding suitable in discussions• Taking part in group activates					
Reading opportunities	Instructional Reading Key word Identification Decomposition and Abstraction					
Key Vocabulary	Logic diagram, Logic gate, AND, OR, NOT, Truth table			High-level language, Low-level language, Translator, Compiler, Interpreter, IDE, IDE: Error diagnostics, IDE: Run-time environment		
Digital Literacy	Use of technology Understanding of how technology works					
Careers	Computer Scientist – R&D – Software Engineer – Cyber Security					