



## COMPUTING SUBJECT OVERVIEW

AREA	YEAR 1/2 A	YEAR 1/2 B	YEAR 3/4 A	YEAR 3/4 B	YEAR 5/6 A	YEAR 5/6 B
<b>Skills</b>	<p>Organise, store, retrieve and manipulate data</p> <p>Use logical reasoning to predict behaviour</p>	<p>Organise, store, retrieve and manipulate data in a range of digital formats</p> <p>Use logical reasoning to predict the behaviour of simple programs</p>	<p>Collect and present data appropriately</p> <p>Use logical reasoning to evaluate data and information</p>	<p>Collect and present data appropriately to accomplish given goals</p>	<p>Be discerning in evaluating general digital content</p>	<p>Be discerning in evaluating specific digital content</p>
<b>Technology in the world</b>	<p>Communicate online safely and respectfully, keeping personal information private</p> <p>Recognise uses of IT outside of school</p>	<p>Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</p>	<p>Use internet safely and appropriately</p> <p>Understand basic computer networks</p>	<p>Appreciate how results are selected and ranked, and be discerning in evaluating digital content</p> <p>Understand computer networks including the internet</p>	<p>Understand uses of networks and how they can provide multiple services</p>	<p>Understand uses of networks for collaboration and communication</p>
<b>Technical Understanding</b>	<p>Understand the simple use of algorithms</p> <p>Write and test simple programs</p>	<p>Understand the use of algorithms and how they are implemented as programs</p> <p>Write and test simple programs following precise and unambiguous instructions</p>	<p>Design and write programs to achieve specific goals, including solving problems</p>	<p>Design, write and debug programs to achieve specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p>	<p>Use sequences, repetition, inputs, variables and outputs in programs</p> <p>Detect and correct errors in programs</p>	<p>Use increasingly complex sequences, repetition, inputs, variables and outputs in programs</p> <p>Detect, correct and explain errors in programs</p>



THE MARTON ACADEMY

LABOR OMNIA VINCIT

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<b>Evidence</b>	Pupil Voice Topic/English books with photographs Displays Website Planning E-safety week activities Year group folders on the server External provider: review of sessions Purple mash Cross-curricular planning Assembly (cyber bullying) Assessment books on the server
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