


# North Durham Academy – Computing Curriculum 2022-23

 NORTH DURHAM ACADEMY	Autumn Term		Spring Term		Summer Term	
	HT1	HT2	HT3	HT4	HT5	HT6
<b>Year 7</b>	<b>Microsoft Office Skills</b> <i>Logging on and staying safe</i>	<b>Presentation Skills</b> <i>Application to CS topics</i>	<b>Networks</b> <i>The types of Networks and how they connect</i>	<b>Network Threats</b> <i>Internal and external threats and prevention methods</i>	<b>Computer Systems</b> <i>Input, Output, Process</i>	<b>Programming Fundamentals</b> <i>Graphical Based Programming - Scratch</i>
<b>Year 8</b>	<b>House Style and Logos</b> <i>Brand recognition and the creation of digital artifacts</i>	<b>Animations</b> <i>Creation and evaluation</i>	<b>Spreadsheet Skills</b> <i>Formulae and Functions development</i>	<b>Networks</b> <i>Protocols of networks and how they can be governed</i>	<b>Computer Systems</b> <i>CPU and FDE cycle</i>	<b>Programming Fundamentals</b> <i>Text Based Programming - Python</i>
<b>Year 9</b>	<b>User Interfaces</b> <i>Theory knowledge development</i>	<b>User Interfaces</b> <i>Creation</i>	<b>Data</b> <i>Features of data and information</i>	<b>Data dashboard creation</b>	<b>Network Threats</b> <i>Forms of attack and how to support vulnerabilities</i>	<b>Programming Fundamentals</b> <i>Algorithms and creating robust programs</i>
<b>Year 10 CS</b>	<b>CPU Systems</b> <i>Consolidation from KS3</i>	<b>Algorithms</b>	<b>Networks</b> <i>Consolidation from KS3</i>	<b>Programming Fundamentals</b> <i>Programming constructs</i>	<b>Programming Fundamentals</b> <i>Logic and Language</i>	<b>Programming Fundamentals</b> <i>Programming Application</i>
<b>Year 10 ICT</b>	<b>Component 1 Theory Teaching</b> <i>User Interfaces and their uses</i>	<b>Component 1 Practical Teaching</b> <i>Key Skills</i>	<b>Component 1 Practical Teaching</b> <i>Mock Assessments</i>	<b>Formal Assessment Component 1</b>	<b>Component 2 Theory Teaching</b> <i>Data</i>	<b>Component 2 Practical Teaching</b> <i>Key Skills</i>
<b>Year 11 CS</b>	<b>Algorithms</b> <i>Consolidation</i>	<b>Programming Fundamentals</b> <i>Consolidation</i>	<b>Computer Systems</b> <i>Consolidation</i>	<b>Data representation</b> <i>Consolidation</i>	<b>Networks and issues</b> <i>Consolidation</i>	<i>N/A</i>
<b>Year 11 ICT</b>	<b>Component 1 C Assessment</b>	<b>Component 2 B Assessment</b>	<b>Component 2B Assessment - Consolidation for re sit</b>	<b>Component 2 C Assessment - Consolidation for re sit</b>	<b>Component 2 C Assessment - Consolidation for re sit</b>	<i>N/A</i>