



Computing Curriculum Overview



	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
Year 7	<p>Topic: Digital skills and security</p> <p>Resources: Computers/google classroom/MS Office</p> <p>Focus: effective use of passwords/using email.</p> <p>Outcome: User guide</p> <p>Duration: 3 lessons</p>	<p>Topic: Digital skills and security</p> <p>Resources: Computers/google classroom/MS Office</p> <p>Focus: Cloud storage/management of files and folders</p> <p>Outcome: User guide</p> <p>Duration: 3 lessons</p>	<p>Topic: E-safety</p> <p>Resources: Computers/google classroom/MS Office</p> <p>Focus: Digital footprint/social media.</p> <p>Outcome: Develop a quiz</p> <p>Duration: 3 lessons</p>	<p>Topic: E-safety</p> <p>Resources: Computers/google classroom/MS Office</p> <p>Focus: Viruses/phishing/copyright laws</p> <p>Outcome: Develop a quiz</p> <p>Duration: 3 lessons</p>	<p>Topic: Applying skills for career documentation</p> <p>Resources: Computers/google classroom/MS Office</p> <p>Focus: Careers opportunities, pathways, choosing jobs.</p> <p>Outcome: Create a CV</p> <p>Duration: 3 lessons</p>	<p>Topic: Applying skills for career documentation</p> <p>Resources: Computers/google classroom/MS Office</p> <p>Focus: Qualifications, CV development</p> <p>Outcome: Create a CV</p> <p>Duration: 3 lessons</p>
Year 8	<p>Topic: Planning algorithms and programming</p> <p>Resources: Computers/google classroom/MS Office/Python software</p> <p>Focus: Designing algorithms, flow diagrams.</p> <p>Outcome: Create a program</p> <p>Duration: 3 lessons</p>	<p>Topic: Planning algorithms and programming</p> <p>Resources: Computers/google classroom/MS Office/Python software</p> <p>Focus: Pseudo code, programming concepts</p> <p>Outcome: Create a program</p> <p>Duration: 3 lessons</p>	<p>Topic: Hardware fundamentals and binary</p> <p>Resources: Computers/google classroom/MS Office/</p> <p>Focus: Fundamentals working together.</p> <p>Outcome: Code a quiz and choose computer spec for client</p> <p>Duration: 3 lessons</p>	<p>Topic: Hardware fundamentals and binary</p> <p>Resources: Computers/google classroom/MS Office/</p> <p>Focus: Computer performance/binary and denary</p> <p>Outcome: Code a quiz and choose computer spec for client</p> <p>Duration: 3 lessons</p>	<p>Topic: Web and networks</p> <p>Resources: Computers/google classroom/MS Office/</p> <p>Focus: Internet structure, how LANs operate, network hardware.</p> <p>Outcome: Code a website</p> <p>Duration: 3 lessons</p>	<p>Topic: Web and networks</p> <p>Resources: Computers/google classroom/MS Office/</p> <p>Focus: Web development, HTML.</p> <p>Outcome: Code a website</p> <p>Duration: 3 lessons</p>



Computing Curriculum Overview



Year 9	<p>Topic: Algorithms</p> <p>Resources: MS Office, Python</p> <p>Focus: Computational thinking</p> <p>Outcome: Flow diagrams and worksheets, coded activity</p> <p>Duration: 10 lessons</p>	<p>Topic: Algorithms</p> <p>Resources: MS Office, Python</p> <p>Focus: Algorithms</p> <p>Outcome: Flow diagrams and worksheets, coded activity</p> <p>Duration: 10 lessons</p>	<p>Topic: Programming</p> <p>Resources: Python</p> <p>Focus: Programming basics and Flow.</p> <p>Outcome: A series of programs and theory worksheets.</p> <p>Duration: 10 lessons</p>	<p>Topic: Programming</p> <p>Resources: Python</p> <p>Focus: Boolean operators, arrays, file handling</p> <p>Outcome: A series of programs and theory worksheets</p> <p>Duration: 10 lessons</p>	<p>Topic: Components of a computer system</p> <p>Resources: MS Office, Python</p> <p>Focus: CPU, memory</p> <p>Outcome: Python quiz and worksheet.</p> <p>Duration: 7 lessons</p>	<p>Topic: Components of a computer system</p> <p>Resources: MS Office, Python</p> <p>System performance, storage, software.</p> <p>Outcome: Python quiz and worksheet.</p> <p>Duration: 7 lessons</p>
Year 10	<p>Topic: Programming</p> <p>Resources: Python</p> <p>Focus: Programming basics and Flow.</p> <p>Outcome: A series of programs and theory worksheets.</p> <p>Duration: 10 lessons</p>	<p>Topic: Programming</p> <p>Resources: Python</p> <p>Focus: Boolean operators, arrays, file handling</p> <p>Outcome: A series of programs and theory worksheets</p> <p>Duration: 10 lessons</p>	<p>Topic: Networks</p> <p>Resources: MS Office, Python</p> <p>Focus: WANS and LANs, network hardware.</p> <p>Outcome: Worksheets, a design for a network, python quiz</p> <p>Duration: 10 lessons</p>	<p>Topic: Networks</p> <p>Resources: MS Office, Python</p> <p>Focus: Network topology, protocols</p> <p>Outcome: Worksheets, a design for a network, python quiz</p> <p>Duration: 10 lessons</p>	<p>Topic: Design testing and IDEs</p> <p>Resources: MS Office, Python</p> <p>Focus: Defensive design, testing.</p> <p>Outcome: Worksheets, test plans for debugging, coded activity</p> <p>Duration: 7 lessons</p>	<p>Topic: Issues</p> <p>Resources: MS Office, Python</p> <p>Focus: Computer legislation</p> <p>Outcome: Article, coded activity, worksheets</p> <p>Duration: 7 lessons</p>
Year 11	<p>Topic: Data representation</p> <p>Resources: MS Office, Python</p> <p>Focus: Logic, binary.</p> <p>Outcome: Python Quiz, sample exam and worksheets</p> <p>Duration: 10 lessons</p>	<p>Topic: Data representation</p> <p>Resources: MS Office, Python</p> <p>Focus: Hexadecimal, compression.</p> <p>Outcome: Python Quiz, sample exam and worksheets</p> <p>Duration: 10 lessons</p>	<p>Topic: Reflection and exam practice</p> <p>Resources: MS Office, Python, exampro, exam questions</p> <p>Focus: Exam practice</p> <p>Outcome: Exam technique</p> <p>Duration: Until main exams</p>	<p>Topic: Reflection and exam practice</p> <p>Resources: MS Office, Python, exampro, exam questions</p> <p>Focus: Exam practice</p> <p>Outcome: Exam technique</p> <p>Duration: Until main exams</p>	<p>Topic: Reflection and exam practice</p> <p>Resources: MS Office, Python, exampro, exam questions</p> <p>Focus: Exam practice</p> <p>Outcome: Exam technique</p> <p>Duration: Until main exams</p>	<p>Topic: Reflection and exam practice</p> <p>Resources: MS Office, Python, exampro, exam questions</p> <p>Focus: Exam practice</p> <p>Outcome: Exam technique</p> <p>Duration: Until main exams</p>