



Computer Science, IT, Business and Digital Media Department

Long-term sequencing Year 11 GCSE Computer Science

CURRICULUM INTENT: To continue to understand and apply the fundamental concepts and principles of Computer Science; to analyse problems in computational terms through practical problem solving experience; to enable learners to think creatively, innovatively, analytically, logically and critically; to understand the components that make up digital systems and how they communicate with one another; to understand the impacts of digital technology to the individual and wider society, with particular attention paid to cultural, ethical and spiritual impact; to be able to write and understand complex algorithms; to embed coding into the majority of lessons; to raise attainment of boys and PP/SEND learners; and to provide a knowledge-rich and balanced curriculum to support all learners.

<p>HALF TERM 1: STUDENTS MUST KNOW;</p> <ul style="list-style-type: none"> • Computational Thinking • Search Algorithms • Sort Algorithms • Pseudocode/Flowcharts • How to answer Pseudocode/Flowchart questions <p>HOW THIS WILL BE ASSESSED: Mini assessment at H/T (exam questions) Weekly knowledge checkers and/or HW</p>	<p>HALF TERM 2: STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • Revision of Unit 1/2 topics for mock LRW1 • Variables & constants • Operators and Assignment • Logical Operators • Data Types • File Handling <p>HOW THIS WILL BE ASSESSED: Full assessment LRW1 (Mock Paper 1&2 mixed) Weekly knowledge checkers and/or HW</p>	<p>HALF TERM 3: STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • Records and SQL • Arrays • Functions and Procedures • Maintainability • Boolean Logic <p>HOW THIS WILL BE ASSESSED: Mock Paper 2 Weekly knowledge checkers and/or HW</p>
<p>HALF TERM 4: STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • Sample exam papers • Analysis and Revision from Paper 1 QLA • Analysis and Revision from Paper 2 QLA • Revision topics tbc <p>HOW THIS WILL BE ASSESSED: N/A Weekly knowledge checkers and/or HW depending on QLA</p>	<p>HALF TERM 5: STUDENTS MUST KNOW: Further revision tbc from all 3 QLAs</p> <p>HOW THIS WILL BE ASSESSED: Full mock exam (2 papers) Exams take place w/e 18/5/24</p>	<p>HALF TERM 6: STUDENTS MUST KNOW: N/A</p> <p>HOW THIS WILL BE ASSESSED: N/A</p>

Home learning will consist of a combination of: Worksheets (written and online), exam questions, QLA revision, GCSEPOD, SENECA, Google Classroom

Stuart Bathurst Catholic High School