# Curriculum Overview - Computer Science (2026 - 2027)

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|---|---|---|---|---|---|---|
| **Year 7** | Introduction to computer science and online safety. | Under the hood of a computer. | The language of computers (Foundation) | Cyber security | Computational thinking (Foundation) | Block based programming |
| **Year 8** | Internet of Things and Networks | Computational thinking (intermediate) | The language of computers (intermediate) | Text Based Programming (Syntax based) | Text Based Programming (Syntax Based) | Artificial Intelligence |
| **Year 9** | Computing Essentials & Society 5.0 | Problem Solving Text-Based Programming | Problem Solving Text-Based Programming | Computing Essentials (Data Representation) | Computing Essentials – Digital Awareness and Safety | Advanced digital skills |
| **Year 10 OCR - J277** | Introduction to OCR J277 GCSE Computer Science<br>2.2 Programming throughout Year 10 | 1.1 Systems Architecture<br>1.2 a Memory<br>1.6 Environmental issues<br>2.2 Programming throughout Year 10 | 1.2b Storage<br>1.2c Units<br>1.6 Ethical issues<br>2.2 Programming throughout Year 10 | 1.2c Data representation<br>1.6 Cultural issues<br>2.2 Programming throughout Year 10 | 1.3 Networks<br>1.6 Legal, environmental, ethical and cultural issues<br>2.2 Programming throughout Year 10 | 2.1 Algorithms<br>2.3 Robust Programs<br>2.4 Boolean Logic<br>2.2 Programming throughout Year 10 |
| **Year 11 N/A for 2026 to 2027** | | | | | | |
| **Extra-curricular** | Lunchtime - Digital Leaders Computing Club<br>After School – Year 10 Programming | Lunchtime - Digital Leaders Computing Club<br>After School – Year 10 Programming | Lunchtime - Digital Leaders Computing Club<br>After School – Year 10 Programming | Lunchtime - Digital Leaders Computing Club<br>After School – Year 10 Programming | Lunchtime - Digital Leaders Computing Club<br>After School – Year 10 Programming | Lunchtime - Digital Leaders Computing Club<br>After School – Year 10 Programming |