## Year 10 Curriculum Map

| Term | Component 1 | Component 2 | Programming Project | Assessment |
|---|---|---|---|---|
| Autumn Term 1 | 1.1.1 Architecture of the CPU<br><br>1.1.2 CPU Performance<br><br>1.1.3 Embedded systems | 2.1.1 Computational thinking<br><br>2.1.2 Designing, creating and refining algorithms | Programming Exercises | |
| Autumn Term 2 | 1.2.1 Primary storage (Memory)<br><br>1.2.2 Secondary storage | 2.2.1 Programming fundamentals<br><br>2.2.2 Data types | Programming Exercises | |
| Spring Term 1 | 1.2.3 Units<br><br>1.2.4 Data storage | 2.2.3 Additional programming techniques | Programming Exercises | General Assessment |
| Spring Term 2 | 1.2.5 Compression | | Project Design and Coding | |
| Summer Term 1 | 1.3.1 Networks and topologies | 2.3.1 Defensive design | Project Design and Coding | Mock Exams |
| Summer Term 2 | 1.3.2 Wired and wireless networks, protocols and layers | 2.3.2 Testing | Project Design and Coding | |

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## Year 11 Curriculum Map

| Term | Component 1 | Component 2 | Programming Project | Assessment |
|---|---|---|---|---|
| Autumn Term 1 | 1.4.1 Threats to computer systems and networks<br><br>1.4.2 Identifying and preventing vulnerabilities | 2.5.2 The Integrated Development Environment (IDE)<br><br>2.2.3 Additional programming techniques (DBMS & SQL) | Project Coding, Documentation | |
| Autumn Term 2 | 1.5.1 Operating systems<br><br>1.5.2 Utility software | 2.1.3 Searching and sorting algorithms<br><br>2.4.1 Boolean logic | Project Coding, Documentation | Mock GCSE Exam |
| Spring Term 1 | 1.6.1 Ethical, legal, cultural and environmental impact Revision | 2.5.1 Languages<br><br>Revision | | Walking/Talking Exams |
| Spring Term 2 | Revision | | | |
| Summer Term 1 | Revision | | | GCSE Exam |
| Summer Term 2 | | | | |