

Year 11 Computer Science

| Link to J277 spec | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|-----------------------------------|--|--|--|--|--|----------|
| Content Knowledge | Unit 2 • 2.1 Algorithms • 2.2 Programming fundamentals | • 2.3 Producing robust programs • 2.4 Boolean logic P2 Mock exam | • 2.5 Programming languages and Integrated Development Environments | Core Mock exams Unit 1 targeted theory Revision | Past paper practice and revision | |
| | Programming revision | • Unit 1 Theory Revision | Unit 2 Theory Revision | Unit 2 targeted theory Revision | Theory & algorithm Revision | |
| Skills | Problem analysis using computational methods. | Logical thinking using the AND, OR, NOT logical operators. | Able to select the most appropriate language and IDE for the purpose. | Revision and exam techniques. | Revision and exam techniques. | |
| Key Questions | What real-world problems can be solved using computational methods? | What are the benefits of developing robust programmes? | What is an IDE? What is the advantage of using them? What are high and low level programming languages and when are they used? | How long is the exam? What is the best way to answer essay style exam questions? | What does the examiners report contain and why is this useful to me? | |
| Assessment | Low stakes/POP tests and End of Unit tests. | Past paper practice tests | Low stakes/POP tests and End of Unit tests. Past paper practice tests. | Exam style practice questions. | | |
| Literacy/numera | Emphasis on the mathematical skills used to express computational logic. Structured writing for longer answer questions. | | | | | |

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| Enrichment opportunities and futures | Research session looking into computing related degree courses and universities. Online virtual trip to Amazon FC to see robotics in action. This qualification is suitable for learners intending to pursue any career in which an understanding of technology is needed. |