

| Autumn 1 | | | |
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| Week Commencing | Topic | Extended learning | Assessment |
| 6th September | 1.1 System architecture | Von Neuman Architecture | Classwork |
| 12th September | 1.1 System architecture | Fetch execute cycle | Classwork |
| 19th September | 1.1 System architecture | Embedded systems | Classwork |
| 26th September | 1.2 Memory | Difference between RAM and ROM | Classwork |
| 3rd October | 1.2 Memory | Flash Memory | Classwork |
| 10th October | 1.3 Storage | Common types | Classwork |
| 17th October | 1.3 Storage | Advantages and disadvantages | Classwork |
| Autumn 2 | | | |
| Week Commencing | Topic | Extended learning | Assessment |
| 1st November | 1.3 Storage | Selecting suitable storage devices for different needs | AR1 Exam |
| 7th November | AR Exam | AR Exam | |
| 14th November | 1.4 Wired & wireless networks | Factors affecting performance of networks | Classwork |
| 21st November | 1.4 Wired & wireless networks | Hardware set up | Classwork |
| 28th November | 1.4 Wired & wireless networks | Concept of virtual networks | Classwork |
| 5th December | 1.5 Network topologies | WiFi set up | Classwork |
| 12th December | 1.5 Network topologies | IP & MAC addressing | Classwork |
| Spring 1 | | | |
| Week Commencing | Topic | Extended learning | Assessment |
| 3rd January | 1.6 System security | Forms of attack | Classwork |
| 9th January | 1.6 System security | Threats to networks | Classwork |
| 16th January | 1.6 System security | Identifying and protecting vulnerabilities | AR2 Exam |
| 23rd January | AR Exam | AR Exam | |
| 30th January | 1.7 System software | All functions of systems software | Classwork |
| 6th February | 1.7 System software | Operating systems | Classwork |
| 13th February | 1.7 System software | Utility systems software | Classwork |

| Spring 2 | | | |
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| Week Commencing | Topic | Extended learning | Assessment |
| 27th February | 1.8 Ethical, legal, cultural, environmental concerns | How to investigate and discuss impact of Computer Science technologies | Classwork |
| 6th March | 1.8 Ethical, legal, cultural, environmental concerns | How to investigate and discuss impact of Computer Science technologies | Classwork |
| 13th March | 1.8 Ethical, legal, cultural, environmental concerns | Comparing open source and proprietary software | Classwork |
| 20th March | 1.8 Ethical, legal, cultural, environmental concerns | Computer Laws | Classwork |
| 27th March | 2.1 Algorithms | Different types of searches | Classwork |
| 3rd April | 2.1 Algorithms | Different types of sorting algorithms | Classwork |
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| Summer 1 | | | |
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| Week Commencing | Topic | Extended learning | Assessment |
| 24th April | 2.4 Computational logic | Complex logic diagrams | AR3 Exam |
| 1st May | 2.4 Computational logic | Complex truth tables | |
| 8th May | 2.4 Computational logic | Applying computational maths | Classwork |
| 15th May | 2.5 Translators & facilities of languages | Characteristics of assemblers, compilers and interpreters | Classwork |
| 22nd May | 2.5 Translators & facilities of languages | Features of IDE's | Classwork |
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| Summer 2 | | | |
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| Week commencing | Topic | Extended learning | Assessment |
| 5th June | 2.6 Data representation | Units and numbers | Classwork |
| 12th June | 2.6 Data representation | Character sets | Classwork |
| 19th June | 2.6 Data representation | Images and sound | AR4 Exam |
| 26th June | AR Exam | AR Exam | |
| 3rd July | 2.2 Programming techniques | Advanced programming techniques | Classwork |
| 10th July | 2.2 Programming techniques | Advanced programming techniques | Classwork |
| 17th July | 2.2 Programming techniques | Advanced programming techniques | Classwork |