



| | |
|-----------------|--|
| Overview | <p>In Computer Science we create algorithms and code programs to achieve remarkable goals. It's the choice of the logically minded, the creative problem-solver, the analytical thinker.</p> <p>Computer Scientists enjoy Maths, languages and puzzles and solve the world's problems with technology. As the fourth Science and a prestigious E-Bacc subject, Computer Science opens doors to the most exciting careers and further studies such as Cybersecurity, Bioinformatics, Natural Language Processing, Artificial Intelligence and Robotics.</p> |
|-----------------|--|

| | | |
|--------------------|---|--|
| Autumn Term | <p>Unit 1 1.1 System Architecture 1.2 Memory and Storage</p> <p>Unit 2: Programming Techniques & skills</p> | Assessment |
| | | <ul style="list-style-type: none"> ■ Mini tests covering short term recall. ■ Synoptic tests covering multiple units and longer-term recall. ■ Digital Platforms: Seneca, Issac Computer Science and Smart Revise. ■ Programming study runs throughout the course, using Python for practical elements. |

| | | |
|--------------------|--|--|
| Spring Term | <p>Unit 1: 1.2b Data representation</p> <p>Unit 2: 2.1 Computational Thinking & Algorithms *Programming Practice</p> | Assessment |
| | | <ul style="list-style-type: none"> ■ Mini tests covering short term recall. ■ Synoptic tests covering multiple units and longer-term recall. ■ Digital Platforms: Seneca, Issac Computer Science and Smart Revise. ■ Programming study runs throughout the course, using Python for practical elements. |

| | | |
|--------------------|---|--|
| Summer Term | <p>Unit 1: 1.3 Networks</p> <p>Unit 2: 2.3 Robust Prog *Programming Practice</p> <p>Exam preparation /EOY exams</p> | Assessment |
| | | <ul style="list-style-type: none"> ■ Mini tests covering short term recall. ■ Digital Platforms: Seneca Learning, Issac Computer Science and Smart Revise. <p>End of Year Exams</p> <ul style="list-style-type: none"> ■ Paper 1: 1h30mins, 50% of end of year grade. ■ Paper 2: 1h30mins, 50% of end of year grade. |

| | |
|--|--|
| Useful Resources for Supporting Your Child at Home: | Homework: |
| <p>Seneca-Interactive revision</p> <p>CnD- Interactive online lessons</p> <p>SmartRevise- Online practice exam questions bank</p> <p>W3schools- Programming practice</p> <p>bbc Bitesize- Free online revision and assessments</p> <p>Online Programming- Issac Computer Science</p> <p>Quizlet- Online exam question bank & flashcards</p> <p>Textbook-CGP CS Revision Guide & Workbook</p> | <p>Digital Platforms: Seneca, Smart Revise</p> <p>YouTube-Craig and Dave online videos</p> <p>Online Programming- Issac Computer Science</p> |