

Y11 2018-19 – 1 Year Plan

Course breakdown

| Dates | Summer 2:2 2 Weeks | Autumn 1:1 8 Weeks | Autumn 2:2 7 Weeks | Spring 1:1 6 Weeks | Spring 2:2 7 weeks | w/b 11 March All content to be finished | Summer 1:1 | |
|-------------------------------------|--|--|---|---|---|--|---------------|--|
| Knowledge/ Skills | <ul style="list-style-type: none"> - Data representation - Binary, Hexadecimal and ASCII - Image and Sound representation - Capacity figures - Compression - Logic Gates | <ul style="list-style-type: none"> - Algorithms - Sequence, Selection & Iteration - Pseudocode - Data types & Variables - Conditional Functions | NEA NEA Completion Programming techniques <ul style="list-style-type: none"> • Analysis • Design • Development • Testing and evaluation and conclusions NEA chosen from OCR set tasks (20 hours allowed for competition) | Revision topics Systems Architecture <ul style="list-style-type: none"> • Memory • Storage • Wired and wireless networks • Network topologies, protocols and layers • System security | Revision Topics <ul style="list-style-type: none"> • System software • Ethical, legal, cultural and environmental concerns • Computational logic • Translators and facilities of languages • Data representation | | | |
| Key assessment | Y11 Exams - July 2.1 Data representation assessment | 2.2 Algorithmic functions assessment | Y11 Mocks – Dec NEA - Coursework Mark | Assessment Tests (x2) | Assessment Tests (x2) | | | |
| Key assessment linked to REG? | No | CF1 | CF2 | CF3 | CF4 | | | |
| Assessment deadlines/ coursework | | CF1 Window | CF2 Window | CF3 Window | CF4 Window | | | |
| Home learning | CGP Workbook sheets – Data Representation Redo mock paper and CPU worksheet | NEA Preparation tasks – familiarising yourself with the brief Programming homework tasks and exam preparation essay skills | Paper 1 past paper Writing algorithms in pseudocode and flowchart format | Homework revision worksheets covering topics Keyword definitions | Past paper 2 | | | |

Revision sessions in class