

Computer Science 5-year Overview

| Computer Science & iMedia | | | | | | |
|------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------|
| Year | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| 7 | 7.1 Being a responsible digital citizen (1) | 7.2 Inside the PC part 1 | 7.3 Online Safety project - Interactive digital media (1) | 7.4 Computational thinking | 7.5 Programming and Microbits | |
| 8 | 8.1 Being a responsible digital citizen (2) | 8.2 Inside the PC part 2 | 8.3 Python Programming part 1 | 8.4 Visual Identities and digital graphics (2) | 8.5 App development | |
| 9 | 9.1 Being a responsible digital citizen (3) | 9.2 Python programming part 2 | 9.3 Using media (3) | 9.4 Cybersecurity | 9.5 Web development | |
| All topics are 7 weeks including 1 assessment week | | | | | | |
| OCR GCSE Computer Science (J277) | | | | | | |
| 10 Computer Science | 1.1 Systems architecture 1.2 Memory and storage | 1.2 Memory and storage | 1.3 Computer networks, connections and protocols 1.4 Network security | 1.5 Systems software 1.6 Ethical, legal, cultural and environmental impacts of digital technology | 2.1 Algorithms | 2.2 Programming fundamentals |
| Programming theme running throughout year 10 using Python | | | | | | |
| 11 Computer Science | 2.1 Algorithms | 2.2 Programming fundamentals | 2.3 Producing robust programs 2.4 Boolean Logic | 2.5 Programming languages and Integrated Development Environments | Revision | |
| Cambridge Nationals Creative iMedia (J819) | | | | | | |
| 10 iMedia | R094 - Visual Identities and Digital Graphics Coursework preparation | R094 - Visual Identities and Digital Graphics Coursework | R094 - Visual Identities and Digital Graphics Coursework | R093 - Creative iMedia in the Media Industry Theory R094 - Visual Identities and Digital Graphics Resubmission Work | R097 - Interactive Digital Media Coursework preparation | R097 - Interactive Digital Media Coursework |
| 11 iMedia | R097 - Interactive Digital Media Coursework | R097 - Interactive Digital Media Coursework | R093 - Creative iMedia in the Media Industry Theory R097 - Interactive Digital Media Resubmission Work | R093 - Creative iMedia in the Media Industry Theory | R093 - Creative iMedia in the Media Industry Theory | |

Computer Science

Digital Literacy

Information Technology