Computer Science

Teachers: Mr K Govender(HOD), Mrs A Sulthana, Ms A Veiou

|  |  |
| --- | --- |
| **Methods of Assessment:** | **OCR Computer Science** Two exams at the end of Yr 11. Paper 1 – Theory paper – 80 marks , 90 mins (50% weighting)Paper 2 – Programming paper – 80 marks, 90 min (50% weighting)[Specification](https://www.ocr.org.uk/Images/558027-specification-gcse-computer-science-j277.pdf) |
| **Course Outline:** | **Paper 1- Computer systems:** Section 1- Systems architecture, memory & storageSection 2- Data representationSection 3- Computer networks, connections and protocols, Section 4- Network security & system software, Section 5- Ethical & environmental issues.**Paper 2- Computational thinking, algorithms & programming:**Section 6- Algorithms, Section 7- Programming, Section 8- Logic & languages.  |
| **Progression routes:** | A-levels, BTEC IT, University degree or Apprenticeship.[National Careers Service – Computing and IT](https://nationalcareers.service.gov.uk/job-categories/computing-technology-and-digital) |
| **How you will learn** | In computer science we use mostly videos. Students have to watch a video on the section being taught in preparation for the lesson and then the lesson is explained using PowerPoints. H/W is set every week. ALL information regarding the H/W, syllabus and general information is shared via MS Teams.Short tests are given often to test recall and at the end of every section, a test is given. Most of the syllabus is covered in Yr 10 so that we can concentrate on revision in Yr 11.  |
| A screenshot of a computer  Description automatically generatedA blue and white poster with text and numbers  Description automatically generated with medium confidence |