Computer Science - Curriculum Information Page

Curriculum Overview

- Please click **here** to view the curriculum overview for Year 10/11
- If your child is absent from a lesson they can consult the overview to identify what learning was missed.
- Your child can then access the missed lesson via their Google Classroom

Google Classroom

- Your Child has been added to a Google Classroom for each of their classes.
- These can be accessed using their School Email Address
- Parents have also been invited to join their childs Google Classroom, allowing them to read notices and guide their child to use the resources provided.
- If you, or your child cannot access the Google Classroom please email ITSuppport@Crestwood.hants.sch.uk

Knowledge Organisers

- Knowledge Organisers have been created for each topic/unit that your child will study. They are designed to support your child's learning and to assist in their revision for assessments and exams.
- Knowledge Organisers can be viewed via your child's Google Classroom

Homework

Summative videos for the following weeks learning
6 a day exam style questions
Seneca Learning - https://app.senecalearning.com/

Assessment

We split our papers equally between Component 01 and 02. Each is worth 50% of the total qualification. There are 80 marks available for each examination paper. The qualification is out of 160 marks.

- ***Component 01: Computer systems***

Introduces students to the central processing unit (CPU), computer memory and storage, data representation, wired and wireless networks, network topologies, system security and system software. It also looks at ethical, legal, cultural and environmental concerns associated with computer science.

- ***Component 02: Computational thinking, algorithms and programming***

Students apply knowledge and understanding gained in component 01. They develop skills and understanding in computational thinking: algorithms, programming techniques, producing robust programs, computational logic and translators.

- ***Practical programming***

Students are to be given the opportunity to undertake a programming task(s) during their course of study which allows them to develop their skills to design, write, test and refine programs using a high-level programming language. Students will be assessed on these skills during the written

examinations, in particular component 02 (section B).

Exams and Controlled Assessment

List here the dates of the formal exams and/ or Controlled Assessment

- *Paper 1 - 50% June 2025 Computer systems*
- *Paper 2 - 50% June 2025 Computational thinking, algorithms and programming*
- *Calculators are **not** allowed in the exam*

Subject Specific Messages

https://www.bbc.co.uk/bitesize/examspecs/zmtchbk
https://studyrocket.co.uk/revision/gcse-computer-science-ocr
Specific revision will be added to your google classroom by your teacher by way of targeted intervention.
Parents will be invited digitally to see progress of students work.

Contact

If you have any questions regarding this subject please contact;

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- amanda.mcintosh@crestwood.hants.sch.uk
- Or AL for the faculty mark.campbell@crestwood.hants.sch.uk