



15 January 2025

Dear Families

This term, students will be completing their course content, completing their first full mock exam and preparing for their final examination in May. It is an exciting and daunting time but, together, we will do all we can to help them succeed and reach their maximum potential.

I would like to outline some key things students can now be doing, with your support, in their final push.

Revision

Many students are now beginning to ask about revision and what they can use. The students have built their own revision websites and they need to use these to support their revision. If they would like flash cards, a new exercise book, or note paper to help them revise they only need to ask me. In regard to published books to help revise I have provided a list with Amazon links below:

CGP Revision Guide - Good for quick revision and knowledge checks - [Click Here](#)

Clear Revise - Excellent for around the table revision and quick questioning - [Click Here](#)

Teachers Book - High quality information and very detailed with tasks - [Click Here](#)

Flashcards - Good for quick revision - [Click Here](#)

Revision for computer science should not extensively include coding projects. Students have been asked to code in their spare time, and whilst I continue to advise this, the algorithmic planning and pseudocode that they write alongside their code is vitally important for paper two preparation.

In my experience, students enjoy the following activities for Computer Science when revision:

1. Knowledge Organisers - these are like a topic on a page, students pick a topic area and make a one sheet overview of the content in this topic
2. Past paper questions - answering and marking past paper questions
3. Educake Quizzing - there is now a self-guided revision tool on Educake

Our departmental website is also stacked with support material, see below:

Content	Link
Knowledge Organisers Booklets Challenge Tasks Know IT, Grasp IT, Think IT Tasks Maths Support Grade 8/9 Booklet	https://www.sackville-cs.com/computer-science/support
Past Papers	https://www.sackville-cs.com/computer-science/gcse/past-paper-questions

Mock Exam Checklist

The students will sit a full paper in this coming mock exam window starting Monday 24 February 2025. They need to revise for this exam, it is the best indicator of what content needs to be revisited before the terminal exams in May.

Paper 1 - 1 hour - Thursday 27 February 2025

- Converting numbers between 8-bit binary and denary
- Calculations
- Binary Shift
- Convert 2-digit hexadecimal into denary
- Binary Addition
- IP and MAC addresses
- Wired and wireless connections in LAN
- Operating system functions
- Utility Software
- Registers used in the fetch-execute cycle
- Characteristics of a CPU affecting performance

Paper 2 - 1 hour - Friday 7 March 2025

- Programming constructs
- Completing flowcharts
- Logic errors
- Binary searching and sorting
- Defensive design methods
- Truth statements
- Logic circuit
- Algorithmic writing
- Algorithm improvement
- Algorithmic Thinking
- Pseudocode

If you have any questions please don't hesitate to reach out. My email is avallallygodfrey@sackvilleschool.org.uk

Yours sincerely



Mr A Vallally-Godfrey
Online Safety and Digital Learning Lead
CTL Computer Science and Design Technology
Wider SLT