Computer Science
Independent Study Guide

Key resources:

Books:

OCR Computer Science, PM Heathcote (Course textbook)

Websites**:**

www.craigndave.org
Isaac Computer Science

Key learning strategies:

You will be expected to watch videos, read text books and make notes on a topic prior to the lesson. This means we spend the time in the lesson ensuring you have a complete understanding of the material as well as developing your ability to apply this understanding.

You will also be expected to develop your programming skills over the course of the year in preparation for Paper 2 and your Independent project that we work on in Y13. To help you achieve this, you will be attempting to solve a range of increasingly larger and more complex problems via a series of mini projects.

A schedule for this is clearly laid out on Google Classroom. This details what you need to be doing from week to week and it is where you will submit assignments, receive feedback, monitor your own progress and access resources.

Additional support:

Theory: OCR – A-level
www.howstuffworks.com

Programming:
Stack Overflow
W3schools

Enrichment and opportunities:

Trip to Bletchley Park and the National Museum of Computing

Further Reading:

Computing is a fast changing subject so regularly reading the technology sections of the BBC News and broadsheet newspapers is essential background for your exams.

What to do if you're stuck:

4179TK@mysnhs.net

Look on our Google Classroom and check out the additional support websites

Things to do in study time:

You should split your time between:
- Preparing for your next lesson, see the Key learning strategies. This will be clearly scheduled on Google Classroom and should be a priority.

- Programming Mini projects and general programming skills development.

Top tips:

There is a science to learning anything, and this course has been set up using the vast amounts of research that is available. We will regularly discuss how to learn efficiently and effectively. Use these tools and techniques and you will learn a lot more in a much shorter time and ultimately get a better grade.