

Subject	Computing
Head of Department	Mrs Ramage
Teaching staff	Mrs Gorry Mrs Stainton Ms Jenkins Mr Blowman
What topics are covered in KS3	The aims we have for students are: For all students to understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms, and data representation and can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems and are responsible, competent, confident and creative users of information and communication technology.
Possible Careers	Data <i>Analyst</i> Data Scientist, IT Trainer Teacher - Secondary School - Computing. Computer Forensic <i>Analyst</i> IT Security Co-ordinator or Specialist. IT Helpdesk <i>Analyst</i> IT Support Engineer. Database Administrator Software Engineer or Developer Software Tester.

Key stage 3

Year Group	Topics covered	Dates of assessments	Link to Knowledge Organiser
Year 7	Curriculum aims to introduce students to using the internet safely (e-Safety) and be able to undertake effective independent/self-guided research to support their class work and homework and become responsible digital citizens. Students should be able to remain safe when using the Internet and understand how to behave towards others. The students are also expected to begin to use tools effectively in Chrome, apply and use Binary Coding. Understand Networks	w/c 1 st February 2021 w/c 24 th May 2021	
Year 8	Curriculum aims to build on the skills acquired in year 7 and extend students' understanding of the way computers are used to help build and promote enterprises through a range of research and creative designs in marketing. Students will then analyse data using a range of tools used in Microsoft Excel.	w/c 1 st February 2021 w/c 24 th May 2021	
Year 9	The curriculum aims to build on skills learnt in Year 7 and 8 and introduces more specific software including: Sketchup, Python and Unity.	w/c 30 th November 2020 w/c 19 th April 2021	

Enrichment and Useful Websites

Extracurricular opportunities offered (clubs, trips etc)	Scratch projects that can be undertaken at home HTML coding can be undertaken using wordpad
Links to useful website of interest for your subject Area.	https://www.educationquizzes.com/ks3/ict/ https://www.bbc.co.uk/bitesize/subjects/z8mtsbk