



KS3 Curriculum Overview (Year 7 and 8)

Year 7

During Year 7 students...

Autumn Term

Students are introduced to the schools IT network and develop an understanding of the various systems that are used within school such as the schools virtual learning environment (Frog), email, Show My Homework and also the school network. E-Safety is a large focus at the start of year 7 to support students in making sensible choices online and to help protect them from online dangers.

Students also develop an understanding of Spreadsheet software in the Autumn Term which supports their understanding about how to record and analyse data.

Spring Term

In the Spring Term students study how to program different devices. They learn block methods of programming to create solutions to tasks. Students begin to develop their programming skills using 'BBC Microbit'. Students also learn how to use 'Vector' drawing tools to create designs.

Summer Term

The summer Term in Year 7 is about developing students programming skills further by using 'Scratch' to give instructions to objects and enable students to create a computer game using the skills that they have acquired. Students then learn how to program using text based programming language of 'Python'.

Year 8

During Year 8 students...

Autumn Term

Students start to learn about written web programming languages in Year 8 and begin by creating webpages using HTML coding. They progress onto using software to further develop their web design skills whilst looking at the history of computing.



Spring Term

During the Spring Term students develop their use of spreadsheet software. Also in the Spring Term students continue to develop their programming skills using 'Python' which leads into knowledge needed for GCSE Computer Science.

Summer Term

The Summer Term looks at code breaking in the 'Cryptography Unit'. Students also look at creating 'Flash' based games to help them understand 'Object Orientated Programming'. Students in Year 8 complete their KS3 Computing studies by creating a quiz using 'Scratch' that tests knowledge that they have learnt over the last two years.