



# Computing



## Sequencing

In Year 8 students are introduced to the concept of sequencing instructions as used by computer systems. We begin using Microsoft Logo software and investigate how to make our instructions more efficient. We then progress to using Flowcharting software to control and make safe a log flume ride; we investigate the use of subroutines, here, to make our instructions more efficient and easier to identify faults. We finish this unit using Scratch animation software to consolidate the idea of computer systems are controlled by a sequence of instructions, just like animation software.

## Web Design

Students will be introduced to web design concepts and will also be introduced to HTML, a computing language used for tagging text files to achieve font, colour, graphic and hyperlink effect on World Wide Web pages.

## Computing

In this unit of work, students will investigate how computers were developed and how they work . They will learn to convert decimal numbers & graphics into binary.

## Flash animation

Students will be taught some basic “flash” animation skills, in preparation for Year 9 and the start of their Key Stage 4 qualification.

## How parents can help:

- Encouraging students to practise their skills at home
- Encouraging the use of touch typing software – there are free versions available online e.g. <http://www.bbc.co.uk/schools/typing/>
- Ensure you protect your children in the virtual world as well as you do in the physical world, visit <https://www.thinkuknow.co.uk/parents/> for more information