



Computing

Throughout the first term in Year 9, students are learning how to program. Students are taught using the Python language, which is (relatively) easy to understand, quick to learn, powerful, popular and free to download and use. Students are taught sequentially, right from "Hello World!", building their knowledge and the syntax via debugging, making use of Conditional (IF...) Statements and While Loops, learning how to write pseudocode, and culminating in the creation of a joke machine. Developing programming helps students to gain a good understanding of logic, strengthens skills in the use and recall of modern foreign languages, be more creative, effective and efficient (through learning by making mistakes!).

In the following two terms the students will develop their digital literacy skills to include the production of business documents for a fictitious company, creation of a teaser video for a music festival to include video editing and music manipulation skills. The pupils will also investigate computer security and cyber crime.

Further support:

<https://www.codecademy.com/>

<https://code.org/>

<http://www.teach-ict.com/2016/videos/videos.html>

<http://www.teach-ict.com/videohome.htm>