Computer Science - Curriculum Overview

All students at Coombeshead Academy will study computer Science at Key Stage 3 (Years 7 and 8) where we cover a comprehensive range of topic areas. The ICT curriculum builds on the teaching at Key Stage 2 and covers three main strands:

1. Digital Literacy

2. ICT

3. Computer Science

Students will be delivered a computing curriculum which encourages students to use computational thinking and creativity to understand the digital world around them. The students are taught principles of information and computation and how to put this knowledge into their programming.

Students are also equipped to use a variety of applications to complete a range of tasks. This will enable them to be able to use, express themselves and communicate their ideas effectively through the use of information technology.

Our aim is for students to leave Coombeshead Academy as confident, literate digital citizens that are able to actively engage with the ever growing digital world around them whether that is in the workplace or in their personal lives.

Subject Overview	Curriculum Structure
Each term throughout Key Stage 3, students complete a new Computing project covering the three main strands National Curriculum strands mentioned above. Within these units we have placed an emphasis on developing transferrable ICT knowledge, understanding and skills that enable them to become confident digital learners.	Students are taught in mixed ability form groups and have 2 lessons per fortnight of ICT/Computer Science in Year 7, 8 and 9. KS4 optional pathways available
Head of Department	Beth Ousey