



## Computing

### Information Communication Technology

Computing at Synergy is a subject that is not limited to the classroom hours allocated to it but has become a central platform for the delivery of our educational content. Our classes support the learning and development of our students to **iGCSE** and **A-Level** study. The curriculum is built to support both the transition from primary and to build the skills needed for academic study.

Computing aims to create **digitally literate** young people capable of using and expressing themselves through a wide range of ICT applications. Our young people will have to utilize their computing skills throughout their working life and it is our aim to ensure that all Synergy students are educated to a level suitable for their future workplace so that they can become **active** participants in a digital world. We want them to leave us as **responsible, competent, confident and creative** users of ICT.

#### Topics studied include

**Principles of Communication   Logic   Algorithms   Data   Programming   Internet  
Safety   Software**

#### Our Ethos

They are taught by fully qualified English teaching staff. Due to the nature of our school we are able to cater for the very individual needs of our students. They can work at a pace that suits them and in the knowledge that they are making progress. We record progress daily, give feedback on targets daily and our online learning system also gives immediate feedback. Students' progress through units of work according to their own abilities. Class sizes of 8 or less ensure that learning is challenging, relevant, progressive and most of all fully supported. With all students able to receive individual attention each and every lesson. The modules fully prepare students for the challenges at both **iGCSE and A-Level**.

Students receive immediate feedback on all tasks and it is our belief the immediacy of this information works as a tool for encouragement, focus and progress supporting each student's individual learning journey.