

Computing is taught to pupils of all ages throughout the school. In the Primary department and Middle School/Upper School Pathway B computing and ICT skills are embedded into the curriculum. In addition to opportunities to use computing skills throughout the curriculum Middle School Pathway A and Secondary Pathway A pupils are also taught one Computing lesson per week.

Intent

Our intention is to equip our pupils with the skills to become active participants in the rapidly evolving digital world, enabling them “to use computational thinking and creativity to understand and change the world”. We intend to ensure that pupils become digitally literate so that they are able to express themselves, explore ideas and prepare for their future workplace. We aim for our pupils to become “responsible, competent, confident and creative users of information and communication technology”.

Implementation

In the Primary department and Middle School/Upper School Pathway B computing and ICT skills are embedded into the curriculum through topic work and other regular tasks. Pupils explore using ICT to develop their knowledge and understanding of the world. They begin to make some independent choices using technology. Pupils also begin to understand how to keep themselves safe and healthy, including when using technology. Pupils work towards the four main areas of study outlined below.

For Middle School Pathway A and Secondary Pathway A the programme covers four main areas of study, which are broadly categorised as follows:

Communicating in the digital world

- Digital communication such as text processing, multimedia presentations and electronic communication.
- Producing and editing media using graphics packages, digital photographs, video, animation, sound and music.

Exploring the Digital World

- Collecting, analysing, evaluating real world data and problem solving. This includes research and data handling.

Shaping the Digital World

- Modelling and simulations
- Control and programming

Online Safety

- Including guidance on content, contact with others and online conduct.

Impact

As well as teacher assessment pupils are encouraged to self-assess their work and offer positive criticism for their peers. This will develop their self-confidence as well as their ability to understand the value of making positive comments when assessing others.

Ultimately, the consistent practice of these skills across all subjects will provide many opportunities for the pupils to develop and apply the life-long skills that will be essential for their future.