

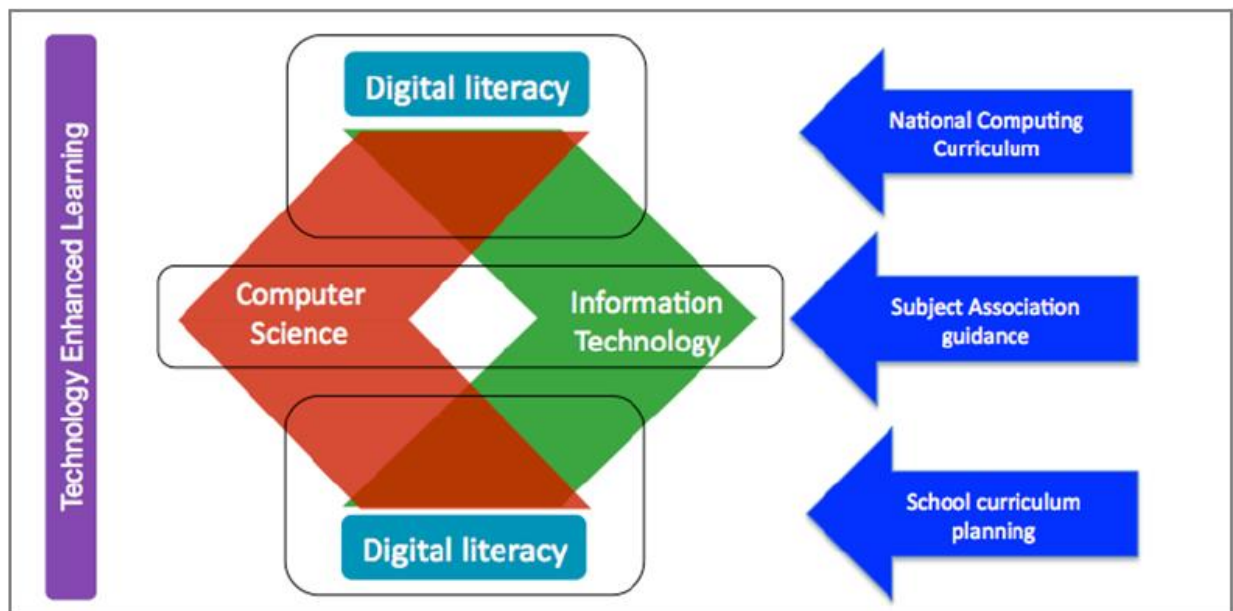
## Computing Curriculum

We recognise the importance of Information Technology and have worked hard to develop the resources in our own school. In addition to the Computer Suite (York Rd.) which enables us to teach ICT skills to whole classes, we have class sets of laptop banks and iPads. All classrooms have access to the Internet. We have our own website [www.dartfordprimaryacademy.org.uk](http://www.dartfordprimaryacademy.org.uk). Pupils begin to gather information from a variety of sources and enter and store information in a variety of ways.

The National Curriculum for computing aims to ensure that all pupils:

- Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.
- Can evaluate and apply Information Technology, including new or unfamiliar technologies, analytically to solve problems.
- Are responsible, competent, confident and creative users of Information and Communication Technology.

The school has a policy for responsible Internet use. Children are not allowed to access the Internet unsupervised and we use an approved, filtered Internet provider. Using the internet safely is a key element of our programmes of study.



"Computers are now part of everyday life. For most of us, technology is essential to our lives, at home and at work. 'Computational thinking' is a skill children must be taught if they are to be ready for the workplace and able to participate effectively in this digital world." Simon Peyton-Jones Chairman, Computing At School