

**Richmond Avenue Primary and Nursery School**  
**Subject Rationale**



**Computing**

**Ethos**

Our aim is to create a rich learning environment, enabling every pupil to fulfil his or her potential. We are committed to the highest possible educational standards, with a matching concern for the personal growth and development of each pupil.

**Intent**

The school motto is, 'Learning and Achieving Together'. We passionately believe that all children, regardless of background, should have equal access to a high quality computing curriculum that allows them to gain an understanding of all of the strands within the computing curriculum. Whilst we recognise the immense value technology brings to the school curriculum, we also respect the dangers to children and young people that technology and connectivity present. We are passionate about teaching our pupils to stay safe online by developing their digital literacy.

**Implementation**

**Early Years**

Within provision, children have access to a range of technological devices such as laptops, cameras, microscopes and telephones, often in role play areas so that children can explore how these are used. Children also learn how to program simple robots, using instructions such as left, right, forward and back.

**Key Stage One and Two**

Each class has a weekly lesson in the ICT suite to learn and apply skills. The school also has banks of laptops that can be signed out and used in any class during other subject lessons in order to enable a cross curricular approach. Digital literacy is planned into all sequences of computing teaching - all children are taught to use technology safely and respectfully and keep their personal information private. Pupils' computing skills are taught in two inter-related aspects of computer science and information technology. The use of Purple Mash (along with other programmes) supports them in understanding algorithms, creating and debugging simple programmes and using technology to access digital content.

**Impact**

Through computing, pupils are equipped with skills, strategies and knowledge that will enable them to reap the benefits of the online world, whilst being able to minimise risk to themselves or others. Pupils are equipped with the skills and knowledge that they need to continue their computing education at the next stage, have experienced the exciting applications of information technology, learnt to code and know how to keep themselves safe.