

Computing Curriculum Statement

At Queens Road Academy, we intend to equip our children with the knowledge, understanding and skills to participate effectively in a technology led society and use computational thinking to understand and change this rapidly evolving world. At the core of our computing curriculum is computer science, in which pupils are taught the principles of information and computation, how digital systems work and how to put this knowledge to use through programming. Alongside this, our curriculum teaches our children how to use ICT to find, use, explore, analyse, exchange and present information effectively, to ensure that they are prepared for their future working and personal lives.

We believe there are obvious deep links between Computing and other curriculum subjects such as Design Technology, Maths and Science and we feel that Computing should not be delivered as a stand-alone subject, but an integral part of our whole curriculum offer. Our Computing curriculum ensures that the requirements of the National Curriculum are met whilst, where appropriate, giving pupils to learn and apply new computing skills within the context of another curriculum area. Our Computing progression document ensures that learning is built upon over time and then opportunities are regularly provided for pupils to apply these skills.

Our computing curriculum is designed to encourage all of our key values, but in particular it promotes innovation, curiosity and critical thinking. Children are encouraged to use Computing to solve problems, create new ideas and think logically and creatively. They are also encouraged to use technology to help them find out the answers to questions. Finally, our children are taught to critically consider the information which they access and also given the skills to use technology safely and securely through the e-safety aspects of our curriculum.

Outside of the classroom, computing is promoted across school through whole school events such as: STEM fairs, Computing clubs, and parental engagement days such as e-safety day.