

Computing Statement of Intent



Intent:

Technology is changing the lives of everyone. Through teaching computing, we equip our children to participate in a rapidly changing world where work and leisure activities are increasingly transformed by technology. It is our intention to enable children to find, explore, analyse, exchange and present information. It is our intention to prepare our children for the changing world of technology. It is most likely that the jobs our children will be doing as adults, are ones that have not yet been created.

We also focus on developing the skills necessary for children to be able to use information in a discriminating and effective way. Computing skills are a major factor in enabling children to be confident, creative and independent learners and it is our intention that children have every opportunity available to allow them to achieve this.

Implementation

By teaching the national curriculum, through our scheme of Purple Mash we aim to ensure all pupils:

- *Are confident in using code and can understand and apply the fundamental principles and concepts of computer science, including logic, algorithms and data representation.*
- *When coding, can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.*
- *Able to connect with others responsibly and are competent, confident and creative users of information and communication technology.*

A key part of implementing our computing curriculum was to ensure that safety of our pupils is paramount. We take online safety very seriously and we aim to give children the necessary skills to keep themselves safe online. Children have a right to enjoy childhood online, to access safe online spaces and to benefit from all the opportunities that a connected world can bring them, appropriate to their age and stage.

Children build online resilience through the use of the 'Project Evolve'. Project evolve helps to support and broaden the provision of online safety education, so that it is empowering, builds resilience and effects positive culture change. The objectives promote the development of safe and appropriate long-term behaviours, and support educators in shaping the culture within their setting and beyond

Impact:

By the time our children leave St Peter's, we want them to be prepared for the ever-changing world of technology. They will have the skills and knowledge they need to support them in new experiences and opportunities that may not exist now. Our children will have the skills necessary to stay safe online and be responsible users of technology and where to seek support if they should need it. Our computing curriculum enables our children to use a computer with confidence and become independent learners with the ability to solve problems.