



Computing Policy

Intent

At St. Edward's we believe that Computing in the 21st century has the power to make a significant contribution to teaching and learning across all subjects and ages. Our children are empowered by Computing and given the key skills to become active citizens who can fully engage in the digital world.

Computing equips children with crucial skills and knowledge for the modern world and future careers so it is vital that we equip our students for the challenges of tomorrow.

Implementation

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.

At St. Edward's we follow the Teach Computing scheme of work throughout key stage 1 and 2. Our Computing curriculum is taught in such a way that children are given the opportunity to practice their skills and progress with these skills throughout their years at primary school. We have chosen Teach Computing because of its clear progression throughout the primary school years and it has been created by subject experts using feedback from teachers as well as the latest research.

Throughout the whole Computing curriculum, we ensure that e-safety and responsible use is a common theme. We want to make sure that our children are prepared for the technological future they are heading for and can enjoy the benefits of technology safely and responsibly.

Every child in Key stage 1 and 2 receives a discreet Computing lesson once a week. On top of this, children will use Computing skills in other areas of the curriculum where they can build on the skills they have learnt in a cross curricular way.

Impact

Children will be confident users of technology, able to use it to accomplish a wide variety of goals linked to information technology, computer science and digital literacy both at home and in school. Children will have a secure and comprehensive knowledge of the implications of technology and digital systems. This is important in a society where technologies and trends are rapidly evolving. Children will know how to behave online, taking into account their digital footprint and how their actions can have impacts beyond their school or locality.

Inclusion

At St. Edward's, we believe that every child should feel included and engaged in our Computing curriculum. Using high quality resources, teachers ensure that all computing lessons are matched to the needs of the children and where necessary will make adjustments to the lesson and their teaching to ensure all children are included.

Assessment

Children are assessed during every lesson to check understanding and readiness to progress. At the end of each unit, children will have progressed to create a whole project using all of the skills they have learnt, whether that is creating their own game by using their programming skills or creating a piece of music using the software they have been investigating. If children are struggling, they are given additional support within the lesson to ensure they continue to make progress.

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