



COMPUTING POLICY

Autumn 2021

AIMS	<p>The computing curriculum will enable children at CtK to be safe and confident users of hardware and software, which will enhance their learning and their ability to communicate. It will enable children to grow as autonomous and independent users of ICT through a variety of meaningful tasks.</p> <ul style="list-style-type: none">• The teaching of computing will ensure continuity and progression in all strands of the computing National Curriculum• Computing will be used as tool to support teaching, learning and management across the curriculum• IT will also be used appropriately to improve access to learning• IT will also be used to maintain communication links between other schools, the local community including parents and other agencies• When possible, resources and equipment will be kept up to date• Staff skills and knowledge will be kept up to date• All computing experiences will be focused to enhance learning
E-SAFETY	<p>This is an important aspect of our computing curriculum and is recognized in our Child Protection and RHE policies and curriculum. Each year group is taught how to use technology safely and respectfully. They learn not to share personal information or arrange to meet strangers. They learn about the importance of passwords and protecting their identify. Cyber bullying is further covered as a whole school focus during Anti-bullying work. Students are always supervised using the internet and student mobiles are locked in the office during school time. Web filters are kept up-to-date in order to ensure that pupils don't access inappropriate materials</p>
APPROACH	<p>Computing aims to prepare pupils to participate in a rapidly evolving world in which work and other activities are increasingly transformed by access to varied and developing technology. Christ the King School recognises that computing is an important tool in both the society which we live in and in the process of teaching and learning. At each key stage, through engaging and relevant planning, we will help children develop the knowledge, confidence and skills required in the 21st Century with regards to computing. Pupils will use different tools to find, explore, analyse,</p>

	<p>exchange and present information responsibly and creatively. They will learn how to utilise computing to enable them to communicate, control and programme from a wide range of sources. Children will begin to develop an understanding of computing terminology and how computer networks work. Throughout this process a strong awareness and understanding of E-safety will be established. Our aim is that teachers and learners within the school will become confident users of ICT so that they can develop skills, knowledge and understanding that will enable them to use appropriate resources effectively as powerful tools for teaching and learning.</p> <ul style="list-style-type: none"> • Use a variety of electronic equipment including cameras, Beebots, desktop computers, laptops, iPads and recording devices. • As children move into KS1, they will use a variety of software and unplugged activities to develop their skills and understanding of simple programming, animation and communication. They will begin to develop familiarity with the keyboard and mouse control as well as touch screen. • As children progress through school they will develop their understanding of programming, they will create sets of instructions to complete a brief and begin to debug algorithms. They will be able to create algorithms with increased complexity, introducing the use of variables. In KS2, children use control programs including code.org to develop their understanding of coding. • Work will be differentiated to meet need of children within the class, children will work independently and collaboratively. • ICT software is used to develop mathematical skills throughout the school from interactive Numicon, to Mathletics, ITPs and web based programs. • Teachers will use resources and support materials from 'ICT with Mr P' and the DARES curriculum to develop and engage children's interest and imagination and link to topic areas. • Children will be helped to develop an understanding of the role of ICT in daily life and to analyse its usefulness as well as considering their 'technology diet' • Children will learn to save and retrieve their work. • Children will learn to share their work though Seesaw.
RESOURCES	<p>All classes have access to 5 class iPads to extend and enhance learning in the classroom. In addition, there are class sets of 30 iPads for whole class teaching. These are timetabled one hour per week per class. Additional slots are available for classes to book. Each class is allocated a time slot in the ICT suite to help aid children develop their skills using keyboard, mouse and monitor. (Covid restrictions)</p>

TIME ALLOCATION	One hour per week Y1-6.
STAFF TRAINING	The IT subject leaders will audit staff needs in terms of professional development and arrange training or support as needed to fulfil the requirements of the IT curriculum.
MONITORING AND EVALUATING	<p>There is a bi- annual review of this policy by the IT Subject Leaders. Implementation of the Curriculum will be monitored by the IT Leads through triangulation of evidence.</p> <p>The Curriculum committee of the governing body is briefed to oversee all policies. Any changes made to this policy will be communicated to all teaching staff</p>

Policy agreed by Governors: Autumn 2021

Signed: (Governor)

Policy to be reviewed: Autumn 2023