



Computing at St Chad's

"Technology is best when it brings people together."

Matt Mullenweg

Aims (Intent)

At St Chad's, we recognise that computers underpin today's modern lifestyle and embrace the positive impact and educational benefits that can be achieved through appropriate use of the Internet and communication technologies. We want to model and educate our pupils on how to use technology positively, responsibly and safely.

Organisation (Implementation)

At St Chad's we provide children with the tools to not only be safe online but to also be digitally literate. All classes have access to a range of computing equipment and software to enhance their skills and improve their confidence using IT in the world around them. At St Chad's, we use 'Purple Mash' scheme of work to bring the Computing curriculum to life. Purple Mash is a whole curricular, online resource that supports teachers with challenging subject areas or topics, whilst encouraging children to love learning. It exposes children to a wide variety of digital tools, technological skills, and innovations. Children will be given their own log-in details for Purple Mash, which they will use to access all the resources they need for their computing learning.

Teaching of computing is taught through timetabled weekly lessons. Each class uses a class set of iPads for their computing lessons. A range of programmes and subscriptions also support the delivery of the curriculum: Purple Mash and National Online Safety. Web filters are kept up-to-date in order to ensure that pupils don't access inappropriate materials. Obsolete or broken machines repaired or, where repair is not possible or cost effective, scrapped in accordance with data protection requirements. Technical support is provided by an outside agency (Mercury Ltd) on a weekly basis (one morning a week).

We recognise the need to continually maintain, update and develop resources to ensure the effective delivery of the National Curriculum and support the use of technology throughout the school. This includes:

- Interactive whiteboards in every classroom to enhance and promote effective use of technology for learning.
- 1 tablet in each classroom as an additional resource to support teaching and learning.
- A range of programmable devices such as BeeBots
- A range of plug-in devices to support programming, such as CD players
- A class set of iPads.

At St Chad's children will learn to understand what algorithms are, how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. They will be taught how to create and debug simple programs and use logical reasoning to predict the behaviours of simple programs. They will be shown how to use a range of technology purposefully to create, organise, store, retrieve and manipulate digital content as well as recognise common uses of technology beyond school. They will be taught to use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content on the internet and how to 'Stop, close and report'

As well, children at St Chad's learn about staying safe online. We teach online safety as an explicit part of our curriculum through the 'National Online Safety resource'. This links with the [Education for a Connected World](#) framework. Children learn about:

- Self-image and identity
- Online relationships
- Online reputation
- Online Bullying
- Health, wellbeing and lifestyle
- Copyright and ownership
- Privacy and security
- Managing online information

Assessment and Recording of Work (Impact)

At St Chad's We encourage our children to enjoy and value the curriculum we deliver. We want learners to discuss, reflect and appreciate the impact computing has on their learning, development and wellbeing. Finding the right balance with technology is key to an effective education and a healthy life-style. Pupils will showcase, share, celebrate and publish work during lessons. We also look for evidence through reviewing pupil's knowledge and skills digitally through tools like Purple Mash. Progress and attainment is monitored through pupil and staff voice, lesson observations and analysis of data which is completed on the relevant FFT assessment tracker at the end of each topic