St. George's Catholic

Primary Voluntary Academy

ICT/Computing & Online Safety Policy

April 2021

Our Mission Statement

"We are learning and growing together as God's family.

We will always do our best to love and respect each other as we prepare for our future."

Purpose

The aim of this policy is to provide an overview of the 2014 Computing Curriculum and the programme of study across the Primary Key Stages. In this policy we also define e-safety and how we endeavour to keep our children safe while using the internet. At St George's Primary School we want to help prepare our children for the future to ensure they are confident when using technology.

This policy should be read in conjunction with the current curriculum Computing Overview which outlines in detail what pupils in different classes and year groups will be taught and how computing can enhance, support and reinforce work in other areas of the curriculum.

This policy is intended for:

- All teachers and teaching support at St. George's
- School Governors
- Parents
- Students and Volunteers

Introduction

The teaching of computing skills enables our children to be prepared for the rapidly changing world in which technology plays a huge global part of everyday life. We acknowledge that computing skills are an important tool in both the society we live in and in the process of teaching and learning. Children at St. George's use computing skills to research, explore, analyse, exchange and present information responsibly and safely.

Aims

- To equip our children with the necessary skills and experience to be able to keep up with the rapidly changing technological world in which they live.
- To be able to use the internet to aid and enhance their learning in a safe way.
- To meet the requirements for the EYFS Curriculum and National Curriculum for both KS1 and KS2.
- To teach our children how rapidly technology is changing and the benefits of this ever growing technology.
- To inform our children, staff, parents and governors of the potential dangers of the internet and how to stay safe and keep their children safe online.

Teaching and Learning

At St. George's we aim to teach exciting and interesting computing lessons to stimulate our children. Class teachers are aware of the national expectations which are outlined in the 2014 primary Curriculum and teach these in daily/weekly computing lessons. Teachers are sent on computing courses when necessary to keep their skills up to date for the effective teaching of computing when required.

Each classroom is also fitted with a Smart board and visualiser to enhance the children's experiences in all areas of the curriculum. At St. George's children have access to a range of technological devices such as computers, smart boards and tablets. A,G & T children in Years 5 and 6 are selected to work in our schools media group in which they create and complete exciting technological challenges and tasks. In Reception there is an ICT designated area to provide the children with a range of different technology resources in order to support their learning and play.

Assessment

Computing is assessed using both formative and summative methods; with achievement criteria based on the programme of Study 'Switched on Computing'.

Formative assessment occurs on a lesson by lesson basis based on the learning objectives and outcomes. Formative assessment is conducted by the class teacher and is used to inform their future planning in order to meet every child's needs.

Summative assessment takes place every term when teachers have the opportunity to access each child against each skill for that topic. These assessments take place using the agreed schools procedures and can be accessed in Teacher's Only-Curriculum Teams-ICT/Computing-Assessments. They are then monitored by the Computing leader and the data is analysed to inform areas for improvement and feed into the School Improvement Plan (SIP).

By the end of each Key Stage, children at St. George's are expected to know, apply and understand the skills outlined in the relevant programme of study of the 2014 curriculum.

Expectations for Saving Children's Work/Gathering Evidence

Children should be saving computer based work as regularly as possible to provide evidence of learning. If using the same program, the updated version should be saved in a folder named "lesson 2" etc to show the learning journey.

Monitoring

At St. George's, computing monitoring takes place each half term. This includes looking at examples of children's work from their computing lessons, checking teachers planning to ensure it meets the national expectations for their year group and analysing data from teacher's summative assessments.

Internet Safety (E-Safety)

- All members of staff both teaching and non-teaching are aware of e-safety procedures and school expectations.
- All children and parents have to agree to and sign a form to state that they will use the internet safely and responsibly.
- All children are reminded of how to stay safe when using the internet at the beginning of every computing lesson.
- All children know the expectations for behaviour, which are on display, when in the ICT suite. These expectations are reinforced when the tablets are used with individual pupils in the classroom.
- Parents are provided with information regarding e-safety through the school website, workshops or can arrange to meet the computing leader for a discussion.
- During the school's appointed internet safety week the children have an assembly and explicit class lessons on how to stay safe online.
- Cyber bullying will not be tolerated at St. Georges and will be dealt with accordingly by the Head teacher.

EYFS

At St. George's we understand that the early learning experience is a critical time for our children's learning. In EYFS the children have numerous computing experiences indoors, outdoors and through role play in both child initiated and adult directed time. The children develop their computing skills through a range of resources which include ICT area, tablets, beebots, smart boards and talking buttons.

2014 National Curriculum

Key Stage 1

In KS1 pupils are taught to:

- Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions

- Create and debug simple programs
- Use logical reasoning to predict the behaviour of simple programs
- Use technology purposefully to create, organise, store, manipulate and retrieve digital content
- Recognise common uses of information technology beyond school
- Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

Key Stage 2

In KS2 pupils are taught to:

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.