

Computing Curriculum Vision

(Extracts from the Computing Policy)

At Ormskirk Church Of England Primary School, we will provide an environment which opens the children to a world beyond them. They will enjoy learning about and through ICT, by developing innovative and creative experiences. Our children will grow in confidence, in order to make the right decisions and stay safe.

Aims

At KS1, pupils will be 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

At KS2, pupils will be 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

Equal Opportunities

All our children will have equal access to ICT in order to develop their personal ICT capability.

Special Educational Needs

We will give consideration to modifying the task, or providing peer or adult support, for children with learning difficulties or physical or sensory disabilities. It is important to note that pupils with SEN use ICT well and should be given every opportunity to provide support for others.

Teachers will liaise with the SENCO on the use of ICT to improve teaching and learning of the curriculum.

Specialist equipment and software will be purchased as required to pupil specific needs.

M.Bullen (September 2024)