



# UNITED SCHOOLS KINGSTEIGNTON SCHOOL

## COMPUTING POLICY

We are Rights Respecting Schools. Under the UNCRC, all children should have access to and awareness of their rights.

Article 29: Education must develop every child's personality, talents and abilities to the full.

### Our Vision for computing at Kingsteignton School

Computing is embedded in the learning and teaching of all aspects of the curriculum and wider school life. Members of our school community should grow into creative, confident and competent users of ICT. All users of ICT in the school should be safe and know how to keep themselves safe when using a wide range of ICT tools and equipment both in and out of school

### Aims of the ICT Policy

- To encourage children to become confident and competent in the use of computers and other devices
- To ensure children know how to stay safe online, through the delivery of regular and engaging E-safety lessons.
- For children to be competent in ICT for using it as a creative learning tool
- To embed ICT as an interactive tool for learning across the curriculum
- To maintain a safe and positive attitude for both staff and children towards computing as a subject

## Expectations

By the end of Key Stage 1 and then the end of Key Stage 2, the performance of the great majority of the pupils should be within the age-related expectation (ARE). By the end of The Foundation Stage, children should have met or exceeded the Early Learning Goal for Technology.

## Teaching and Learning

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.
- has deep links with mathematics, science, and design and technology, and provides insights into both natural and artificial systems.

[Article 17](#) - Every child has the right to reliable information from the media. This should be information that children can understand.

[Article 28](#) - Every child has the right to an education. [Article 29](#) - Education must develop every child's personality, talents and abilities to the full.

## Progression and Continuity

The progression and development of computing skills is supported through the use of the 'Purple Mash' computing programme, which is implemented from Reception through to Year Six, whilst internet safety is taught through the use of Google's 'Be Internet Legends'.

### Assessment and Monitoring

The Computing Subject Leader will have regular discussions with children and provide opportunities for them to explore different programmes within the 'Purple Mash' sequences, allowing teachers to assess them against the National Curriculum aims. Each unit of work will begin with an elicitation task and end with an application task allowing teachers to assess children and highlight progress made within each unit of work. Assessment will be based on the children's ability to replicate or improve existing examples created in line with the National Curriculum yearly goals. The improvement part of the task encourages children to reflect on their achievements and consider how best to progress. This is recorded as part of the termly pupil conferencing held for all foundation subjects.

### Reporting and Recording

Reporting to parents takes place during parents' evenings and is recorded in the computing section of the yearly pupil reports. Where applicable, Tapestry will be used to record children's work, allowing staff to share achievements with the parents.

### Resources

Interactive whiteboards are in every classroom and many of which have recently been replaced. PCs are used to run the software for the boards. The school has purchased iPads and Chrome books for the children's use, and these are used daily in all classes within a variety of lessons. Apps are regularly updated to ensure children have the most up to date learning resources. A variety of computing resources such as: digital cameras, video cameras and 'Bee Bots' are also available for all children. Computing resources are being regularly updated and are used widely in lessons. ICT equipment is used to support learning as appropriate across the schools in all areas of the national curriculum.

The school's website has been developed to establish communication across the school community and into the wider community, including a regularly updated E-safety and information feed. There are also a variety of blogs which children are a part of updating. In addition to this, we have class blogs which are kept up to date to share class news and photos with parents and carers.

### Home Learning

Children have an Education City, My Maths, Times Tables Rockstars, Numbots, Accelerated Reader and Teach Your Monster to Read (KS1) logins and can access these interactive sites at school and at home.

It is the role of the coordinator to ensure all children and parents are given their login details, so they are able to access these programmes at home and in school.

### Special Needs

Support for special needs children may be provided by classroom assistants, the class teacher or by children who feel confident about the use of ICT. Children are provided with the necessary software, allowing them to access their learning regardless of their ability. Activities are differentiated in order to meet the needs of individuals/groups. Computing resources are used to support children with physical difficulties as well as to target and support the needs of individuals through personalised programmes of computing support.

Article 23 - A child with a disability has the right to live a full and decent life with dignity and independence, and to play an active part in the community. Governments must do all they can to provide support to disabled children.

### Equal Opportunities

It is the role of the network manager and subject leader to check new software and devices entering the school and ensure it provides a balanced, fair and non-stereotyped material.

### Inclusion

Computing positively supports the school's policy for inclusion. All pupils, staff and adult helpers participate. Computing activities provide opportunities for all pupils to excel.

## Staff Training and Development

There should be opportunities for all the staff to:

- understand the role that computing has in the curriculum
- be confident in the use of ICT
- make use of all the equipment available in our school
- to support each other in extending their use of ICT in all aspects of the curriculum
- identify opportunities for new and creative uses of ICT
- ensure all staff are up to date with E-safety expectations
- review pupil progress and monitor curriculum coverage
- trained in the use of year group blogs
- understand how to use Tapestry to record children's work

## Health and Safety Issues

All trailing wires should be situated behind the computer and/or fixed in conduits to the wall. Any faults (including loose or frayed wires) should be reported to the network manager, who will remove the items and organises the repair of equipment.

Guidance on E-safety and expectations on data protection are discussed regularly with staff and relevant policies are in place and reviewed annually.

E-safety policies are in place across the school and parents' evenings are held annually to discuss and look at E-safety issues. The school uses the website, Arbor, school blogs or social media to communicate any urgent matters to parents. The school uses Google's 'Be Internet Legends' website and related resources to help educate our children in matters relating to E-safety. The programme of lessons is delivered annually but revisited during other lessons. In addition to this, E-Safety is also covered within the 'Purple Mash' computing units and children also participate in the 'UK Safer Internet Centre's' annual Safer Internet Day.

### Use of ICT equipment out of school

School computing resources need to be signed in and out of school when taken home for school use or taken out for use on a course. Only equipment which has passwords and encryption software on maybe used and staff are responsible for ensuring all data and photos are safely stored in the encrypted segments of the laptops or flash drives. Each class has a class iPad which should be locked away safely each night. At the end of every school day, all portable ICT equipment is locked into their charging stations.

### Review

This policy will be reviewed tri-annually in line with the school's policy review programme. The subject leader is responsible for reporting to the Curriculum trustee about the quality of its implementation and its impact. In the light of this, policy amendments may be made.

Revised: May 2020