



FLASH LEY COMMUNITY PRIMARY SCHOOL
& NURSERY

COMPUTING POLICY

Flash Ley is committed to safeguarding and promoting the welfare of children and expects all staff and volunteers to share this commitment.

*This policy is used in conjunction with the E-Safety Policy

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Approved by:

Reviewed & amended: September 2020 by R.Hughes

Introduction

The use of information and communication technology is an integral part of the national curriculum and is a key skill for everyday life. Computers, tablets, programmable robots, digital and video cameras are a few of the tools that can be used to acquire, organise, store, manipulate, interpret, communicate and present information.

Flash Ley aim to:

'Provide an educational experience that encourages high aspirations, develops talents and abilities and promotes respect for the environment, with an understanding of how the world works.'

School Vision 2016

At Flash Ley Primary School, we recognise that pupils are entitled to quality hardware and software and a structured and progressive approach to the learning of the skills needed to enable them to use it effectively. The purpose of this policy is to state how the school intends to make this provision.

Aims

- Provide a relevant, challenging and enjoyable curriculum for Computing for all pupils.
- Meet the requirements of the national curriculum programmes of study for computing.
- Use computing as a tool to enhance learning throughout the curriculum.
- To respond to new developments in technology.
- To equip pupils with the confidence and capability to use computing throughout their later life.
- To enhance learning in other areas of the curriculum using computing.
- To develop the understanding of how to use computing safely and responsibly.

Rationale

The school believes that computing

- Gives pupils immediate access to a rich source of materials.
- Can present information in new ways which help pupils understand, access and use it more readily.
- Can motivate and enthuse pupils.
- Can help pupils focus and concentrate.
- Offers potential for effective group working.
- Has the flexibility to meet the individual needs and abilities of each pupil.

The Curriculum

The national curriculum has four main 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.

The units taught in Key Stage 1 and 2 and progression of skills can be found on the Curriculum Page: Computing on the school website.

Early years

It is important in the foundation stage to give children a broad, play-based experience of computing in a range of contexts, including outdoor play. Computing is not just about computers. Early years learning environments should feature computing scenarios based on experience in the real world, such as in role play. Children gain confidence, control and language skills through opportunities to 'paint' on the whiteboard or program a toy. Recording devices can support children to develop their communication skills. This is particular useful with children who have English as an additional language.

Cross Curricular Links

Computing contributes to teaching and learning in all curriculum areas. For example, graphics work links in closely with work in art, and work using databases supports work in maths, while the Internet proves very useful for research in humanities subjects. Computing enables children to present their information and conclusions in the most appropriate way. Teachers are encouraged to link computing skills into their curriculum planning and will use appropriate ICT resources when needed.

British values

Computing can be an extremely valuable means of demonstrating the school is actively promoting British Values. At Flash Ley it is important that our children are taught British values throughout a wide, varied curriculum. In Computing children will have opportunities to:

- Democracy - Take into account the views of others in shared activities. Vote for outcomes.
- The Rule of Law - Undertake safe practices, following class rules during digital learning. Understand the consequences if rules are not followed. Take into account the rules and boundaries around E-Safety and earn an E-Safety pass.
- Individual Liberty - Work within boundaries to make safe choices when using digital technology. Make choices within their computing work.

- Tolerance of those with different faiths and beliefs – Use digital means to research, understand and be tolerant of those with different faiths and beliefs.
- Mutual Respect - To behave appropriately allowing all participants the opportunity to work effectively. Review each other's work respectfully. Work together on projects, help and advice others.

SMSC

Through Computing we are able to support children in their spiritual, moral, social and cultural development and their physical well-being. Through the computing curriculum children will be provided opportunity to:

- Spiritual Education - Use imagination and creativity, to explore ideas and feelings and express themselves through digital creations.
- Moral Education - Research and gain insight to moral issues through their work using digital technology to gather, analyse and evaluate information. Use E-Safety to understand and develop a positive moral compass and show respect for others whether in person or online.
- Social Education - Collaborate to create pieces of work. Respect each other's ideas and opinions when talking about pieces of work. Recognise the need to consider the views of others. Develop collaborative, cooperative and teamwork skills. Learn to use digital media to communicate, connect and collaborate with others.
- Cultural Education - Reflect on the ways in which cultures are represented in computing and how the digital world is evolving in different places, cultures and faiths.

Promotion of Reading

Computing is able to promote reading in a variety of ways. Staff should aim to support children in developing early reading skills using computing as means to foster vocabulary and literacy. Literacy skills should be developed through computing by:

- Accessing the wealth of reading material available on digital devices such as computers and tablets.
- Utilising literacy applications such as Reading Eggs, Oxford Owl and Myon for children to access both in school and at home to support literacy development.
- Use speaking and listening technology such as headphones and voice recorders for early reading.
- Use technology as a way to facilitate children learning of a new definition of literacy combining traditional pen and paper with new technology to support children's literacy in a digital world.

Inclusion

At Flash Ley, we plan to provide for all pupils to achieve, including boys and girls, higher achieving pupils, gifted and talented pupils, those with SEND, pupils with disabilities, pupils from all social and cultural backgrounds, children who are in care and those subject to safeguarding, pupils from different ethnic groups and those from diverse linguistic backgrounds.

Resources and access

The school acknowledges the need continually to maintain, update and develop its resources and to make progress towards a consistent, compatible PC system by investing in resources that will effectively deliver the strands of the national curriculum and support the use of computing across the school. Teachers are required to inform the computing co-ordinator of any faults as soon as they are noticed. Resources if not classroom based are located in the computer suite. A service level agreement with Entrust is currently in place to help support the co-ordinator to fulfil this role both in hardware and audio-visual. Resources are continually monitored and updated in line with financial allowances and need.

Health and Safety and Safeguarding

The school is aware of the health and safety issues involved in children's use of computing. All electrical appliances in school are tested accordingly. It is advised that staff should not bring their own electrical equipment in to school but if this is necessary, then the equipment must be PAT tested before being used in school. This also applies to any equipment brought in to school by, for example, people running workshops, activities, etc. and it is the responsibility of the member of staff organising the workshop, etc. to advise those people. All staff should visually check electrical equipment before they use it and take any damaged equipment out of use. Damaged equipment should then be reported to the ICT technician, bursar or head teacher who will arrange for repair or disposal.

Any issues with regard to E-Safety staff will follow procedures set out in the E-Safety Policy and/or Child Protection Policy where appropriate.

Assessment, Monitoring and Reviewing

The monitoring of the standards of the children's work and of the quality of teaching in computing is the responsibility of the subject leader. The subject leader is also responsible for supporting colleagues in the teaching of computing, for keeping informed about current developments in the subject and for providing a strategic lead and direction for the subject in the school. The subject leader gives the head teacher a termly report in which s/he evaluates the strengths and weaknesses in the subject and indicates areas for further improvement linked to the school development plan. The subject leader has specially-allocated time for carrying out the vital task of reviewing samples of the children's work and for visiting classes to observe the teaching.

Security

- The ICT and Computing technician will be responsible for regularly updating anti-virus software.
- Use of computing will be in line with the school's 'acceptable use policy'. All staff, volunteers and children must sign a copy of the schools AUP.
- Parents will be made aware of the 'acceptable use policy'.
- All pupils and parents will be aware of the school rules for responsible use of computing and the Internet and will understand the consequence of any misuse.

- The agreed rules for safe and responsible use of computing and the Internet will be displayed in all computing areas.