Learning for Life

Fawbert & Barnard's Primary School
Computing Policy

Ratified by Governors: June 2022
Review Date: June 2025

Contents

Our vision

In a rapidly changing world where technology plays an increasing role in our every day lives and primary-aged children arrive at school never knowing a world without the Internet or iPads, our aim is to help children be resilient learners who can creatively and safely use technology to broaden their horizons.

At Fawbert and Barnard's, our vision is to:
- Provide staff and children with safe, sufficient, high quality and up-to-date IT resources for teaching and learning
- Use technology as a tool for learning, transforming what is possible in the classroom
- Teach children how to keep themselves safe whilst using the powerful but potentially dangerous Internet
- Equip children to be makers with digital technology rather than just consumers, through a challenging and forward-thinking Computing curriculum
- Deepen children's learning and raise attainment across the curriculum through using technology as a creative tool
- Develop staff confidence, pedagogy and subject knowledge so they can become leaders of technology in the classroom
- Engage with parents and the wider community so they feel empowered to support and keep their children safe online.

The following policies should be read in conjunction with this policy: Recording and reporting policy, Feedback and marking, remote learning, curriculum policy, online safety policy and child protection policy.

Computing curriculum

The introduction to computing in the 2014 curriculum clearly states that there are three aspects of the computing curriculum: computer science (CS), information technology (IT) and digital literacy (DL).

The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. Computing also ensures that pupils are digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.

Organisation and planning for Digital learning
The 2014 curriculum is mapped into yearly objectives on the Knowledge and Skills Progression Grids (KAS Grids) and linked to class topics where possible.

In the Foundation Stage, although computing is not included in the EYFS framework, we believe that it is important for children in the Foundation Stage to have experiences of using technology within the setting. We therefore provide explicit teaching throughout the year linked to the KAS Grid.

Inclusion
We aim for all pupils to achieve and succeed in computing (see the learning and teaching policy for further details).

Additional resources are made available to support pupils on the SEN register such as iPads, laptops, headphones, talking tins, a specialist keyboard mouse as well as software resources such as communication in print and Clicker.

Implementation

Computing is taught both as a discrete subject and in a cross-curricular way when the opportunity presents itself.

IPads are readily available to enhance the computing curriculum. A range of other resources such as programmable toys are available to ensure the curriculum is met fully.

Hardware and Infrastructure

All hardware is security marked. Care is taken by all staff to ensure iPads; cameras etc. are locked away when on school premises and not in use. Main doors and gates are kept shut and passwords are kept secure.

Teachers sign an electronic devices agreement for the loan of all computing equipment.

Software

Programs and apps operated by the school are recorded in the Software Inventory that is updated regularly and is managed by our computing technician.

The external technician installs all new apps and programs on all school hardware. Software owned personally by Staff should not be installed on school hardware.

Anti virus Software is installed on all Apple Mac books and desk top computers and laptops. Staff monitor the anti virus software and immediately raise any concerns over virus infection.

Licenses are kept in the office in a Computing folder.

Internet

- Broadband, Internet filtering and firewall is provided by RM
- Subject leaders maintain and manage subscription websites. The office manager will support with the setting up of passwords
- It is recommended when staff use websites a 'pre-run' is advisable to ensure the material is suitable

Username conventions are followed and an exceptions list is maintained.

Role of Computing Leader

- To strategically lead and develop the teaching, learning and provision for Computing
- To keep abreast of the latest technological developments, ensuring pupils will be prepared for the modern world when they leave the school
- To raise standards in Computing across the school
- To ensure the development of a forward-looking scheme of work for the Computing curriculum.
- Promote the integration of Computing within appropriate teaching and learning activities, develop and monitor the contributions of subjects to its cross-curricular use.
- To coordinate the evaluation and review of the school's IT & Computing policy.
- Monitor Computing throughout the school through lesson observations, planning monitoring and regular scrutiny of the digital learning.

- Advise on and, where appropriate, provide the training and support for whole staff and individual staff members.
- Ensure the school's Computing resources are used effectively.
- Manage the maintenance of Computing resources including the purchase of software and hardware, holding an audit of computers and peripherals, serial numbers and software licenses.
- To act as a role model using Computing skills in everyday teaching and learning

The Computing Leader and the Headteacher will continually monitor the resources required to deliver the computing curriculum.

Roles and responsibilities

- Headteacher - oversee 3 year school development plan
- Computing/Computing Leader - support the learning and teaching of computing, liaise with technical support, keep up to date with current developments
- Subject leaders – support class teachers with cross curricular links/opportunities
- Class teachers - teach the agreed scheme of work and include opportunities for cross curricular work
- External Computing technician(s) – maintenance beyond school expertise, faults, installations, upgrades and advice

Assessment of Computing

- Teachers make use of a range of 'Assessment for Learning' strategies during lesson to help move pupils on, including peer and self-assessment
- All classes will complete Comparative Judgements based on the learning from their KAS Grids – this is a half-termly assessment judging the work against other work in the class

Health and Safety (see Health and safety policy)

- Staff are made aware of Health and safety regulations in respect to the use of Computing equipment
- Portable equipment will be PAT tested and checked annually
- Children will be made aware of the correct way to sit when using iPads and chairs will be adjusted accordingly
- The Health and Safety at Work Act, (1 January 1993) European Directive deals with requirements for computer positioning and quality of screen. This is followed for all administration staff. Whilst this legislation only applies to people at work, we seek to provide conditions for all children that meet these requirements
- Pupils are only given email addresses and access as part of specific taught units. Class teachers need to teach specific skills and make children aware of the email safety code
- Pupils and staff are made aware of the safety rules when using the Internet (see Internet use policy)
- Fawbert and Barnard's Primary School Internet filtering and firewall is operated by RM

Community Links

We aim to provide community links via:

- Providing Computing training for parents on topics such as Online Safety and using Tapestry

- All information for the SEND in our school can be seen on Edukey, all information and learning from the classes can be seen on Seesaw for each class
- A school website available to staff, pupils and parents and governors
- Parent mail