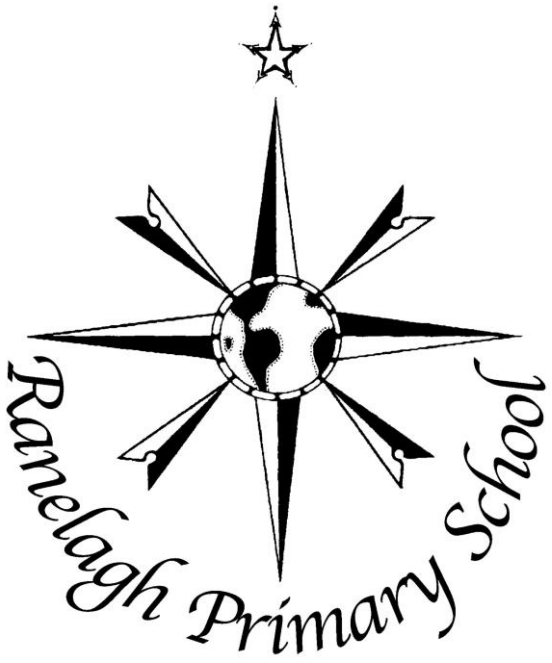
Computing Policy



Drafted by Roshni Wry

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Ranelagh Primary School

Computing Policy

1. Introduction

1.1 Computing is delivered in terms of the National Curriculum

1.2 The policy reflects the consensus of opinion of the whole school teaching staff and has the support of the governing body. This document was agreed by the schools governing body.

1.3 The implementation of this policy is the responsibility of all members of staff.

Ranelagh Vision for Computing

- All school staff are competent and confident users of technology. We ensure this through consistent monitoring of new and available technology / CPD training and insets for all staff.
- School staff and pupils communicate and collaborate using technology regularly.
- Computing and ICT skills are embedded as a natural part of school life and across all subjects.
- Schools provide a Computing/ICT rich environment in which children learn to make informed choices about when and how to use technology.
- All technology in school is used to its fullest potential by staff and pupils.
- Technology is used to engage and value the contribution that Newham's diverse community makes to learning.
- Using technology pupils are empowered to take ownership of their learning.
- Through the use of technology, schools provide a flexible learning and teaching environment that meets the needs of all learners and contributes to raising standards and pupil achievement.

2. The Nature of Computing

2.1 Computing in our school is to help support children with computational thinking and understanding of the world. Therefore children will have a wide range of technology that they can use, such as laptops, iPads, programmable robots, recorders, calculators, and digital and video cameras.

2.2 "Technology is an essential and inescapable part of 21st Century living and learning. All aspects of school life are enhanced and enabled with technology. Technology is crucial to making sure that each individual maximises their potential through the personalisation of their learning and development." *(Learning, Teaching and Managing with ICT, DfES 2007)*

The nature of Computing/ICT skills means that it will be used in all curriculum areas, supporting and enriching the student's learning experiences. All students will have experience of Computing/ICT skills embedded within all subjects, including English, Maths and Ranelagh Curriculum.

3. Entitlement

3.1 At each key stage every student will have experience in all the elements of the appropriate programme of study as shown in the *National Curriculum documents.*

3.2 All students should develop positive attitudes towards ICT; they should develop an understanding of the potential of ICT and show confidence and enjoyment in its use.

3.3 In line with the Newham Curriculum Policy guidelines we will ensure the equality of access and quality of experience for all pupils irrespective of race, gender, disability, age and class.

4. Implementation

4.1.1 As part of the student's experiences in the core and foundation subjects, they will be given the opportunity to develop their Computing skills.

4.1.2 We teach ICT and Computing in our Early Year Foundation Stage (EYFS) as an integral part of each Learning Theme during the year. As the reception classes

are part of the Foundation Stage in the National Curriculum, we relate the Computing aspects of the children's learning to the objectives set out in the Early Learning Goals which underpin the curriculum planning for children aged three to five.

4.1.3 At KS1 students will have experience with: Ipads, laptops, appropriate computer hardware and printers, programmable robots, remote control devices, video cameras, digital cameras, interactive whiteboards and specialised software such as Scratch Junior to support core Computing skills.

4.1.4 In addition to the above, at KS2, students will have experience with: iPads, video cameras, digital cameras, control and sensor boxes, data loggers, e-microscopes, interactive whiteboards, laptops and specialised software such as Scratch and Kodu to support core Computing skills.

4.1.5 Throughout their school career the students will have experiences of a variety of software that allows teachers to provide for progression of skills, concepts and applications. The software to be used throughout the school is detailed in the school's medium term plan created by the Computing leader. Computing will be taught discretely and ICT skills will also be taught through Ranelagh Curriculum to enable cross curricular learning to take place.

4.2 The students will have the opportunity to work both individually and in small groups, and will experience the frequent use of Computing/ICT. Increasingly, the students will become more independent in their use of technolgy and the choice of software required for any given curriculum activity.

4.3 Students also have access to the schools Managed Learning Environment (MLE)

4.4 At Ranelagh Primary School we teach Computing to all children, whatever their ability. Computing forms part of our school curriculum policy to provide a broad and balanced education for all children. We provide learning opportunities that are matched to the needs of children with learning difficulties. In some instances the use of technolgy has a considerable impact on the quality of work that children produce;

it increases their confidence and motivation. Specialised access software and hardware will be available for students with special educational needs.

4.5 Appropriate classroom strategies will be adopted to ensure equal access to all aspects of Computing for all students.

4.6 Use of laptops, iPads and other technologies in the classroom will take account of the School's Health and Safety policy, specifically: siting, cabling and lighting and electrical safety.

4.7 Use of the Internet will be in line with the schools Acceptable Internet use policy and e-safety policy.

5. Computing curriculum planning

5.1 Teachers are currently trailing some ITASS Scheme of Work and are using this alongside current Learning Theme ideas for their planning. Teachers are also using Switched On Computing schemes of work to support the enriched Computing Curriculum. Teachers use the skills grids provided by the Computing Co-ordinator which ensures that the appropriate skills are taught and progression is maintained and the children are increasingly challenged as they move up through the school.

6. Assessment

6.1 Teachers follow the assessment policy at Ranelagh, at the end of each term teachers assess whether the children are emerging, expected or exceeding, in relation to meeting the end of year/phase/key stage standards.

6.2 Records of students' achievement will be kept according to the school policy.

7. Management

7.1.1 The Computing coordinator is responsible for the implementation of the policy, the management of the Curriculum hardware and software within the school, co-ordination of repairs, monitoring standards of achievement and progression and the co-ordination of assessment. The coordinator is also responsible for the day to day management of the ITASS technician when on site (presently two days per week).

Working with the Head of School and Deputy Head, the Computing coordinator will be responsible for the arrangement of appropriate INSETs. The coordinator is also responsible for the production of a Computing action and development plan. The Computing Coordinator is also responsible for the management and day to day operation of the MLE.

7.1.2 The classroom teacher is responsible for the delivery of the policy and the care and security of the software and hardware in their classroom.

7.2 Time and appropriate funding will be allocated for a programme of CPD related to the SDP and individual staff appraisal targets.

7.3 The school is committed to an ongoing programme of replacement and enhancement of IT equipment and software in line with government guidelines, where appropriate.

7.4 The school is corporately responsible for ensuring that copyright regulations are not infringed.

7.5 The Computing Coordinator is responsible for keeping up to date with current development in the teaching of Computing through professional reading and attendances on relevant courses.

7.6 The Computing Coordinator is to assist with staff development in Computing within the school. The Coordinator will also be responsible for identifying and purchasing curriculum resources as required.

8. Review

8.1 This policy will be reviewed at regular intervals in line with the policy review cycle or where appropriate in light of significant changes.