Computing Policy

"Everyone who works with children should do what is in the best interests of the child."
Article 3 United Nations Rights of the Child

Rationale

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. We recognise that pupils are entitled to quality resources 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 and objectives

- To provide a relevant, challenging and enjoyable curriculum for Computing for all pupils with many cross-curricular links and to embed the use of technology in every day learning.
- To equip children to participate in a rapidly changing society with constantly evolving technology
- To enable them to find, explore, develop, analyse, exchange and present information to support their problem solving, investigative and expressive work
- To learn about issues of safety, security, confidentiality and accuracy
- To significantly enhance teaching and learning throughout the curriculum by enabling quick access to knowledge, information and experiences
- To encourage critical thinking, imagination and creativity, problem solving, initiative and independence, teamwork and reflection throughout the curriculum

Time allocation and Staffing

All classes are to be taught Computing by either the class teacher or an experienced computing teacher. In Reception, Computing is taught as an integral part of the topic work covered during the year and relate to the Technology objectives set out in The Early Years Foundation Stage Profile. Children in Key Stage 1 and 2 have a weekly timetabled lesson of one hour. This can take place within the school's ICT suite on the desktop computers or in the classroom, completing activities on the tablets.

Curriculum

Computing will be taught using the 'Trinity Computing Curriculum'. The scheme follows the progression of learning expectations from the National Curriculum and identifies learning opportunities, technology and activities for each year group. There are three strands that all classes need to teach aspects of and these are IT skills, computer science and digital literacy. Online safety is very important at Trinity School. In Key stage 1 and 2, the children are taught a specific online safety lesson at the start of each half term with an accompanying parental engagement homework task. In Key stage 2, an online safety scenario is discussed each week as part of the weekly routine. The school also teaches a progression of lessons from Year 1 to Year 6 based on key questions using the Sheffield framework and other resources. Every year, we highlight the importance of online safety on the National Safer Internet Day.

The planned progression built into this scheme of work means that the children are increasingly challenged as they move through the school and the skills taught build upon prior learning. Cross-

curricular links between Computing and other subjects should be made as often as possible.

Planning

The LTP for each class can be found on the TSA. MTP should be updated for each term and can also be found on the TSA. Weekly plans must include a clear learning intention and the activities to be completed.

Other opportunities for computing

The school will endeavor to attend all educational computing events held in Jersey.

One of the school's TAGs (Trinity action groups) includes an online safety team. This group acts as a student voice when making school decisions about computing and online safety. They will feedback to classes information and help to support computing throughout the school.

Resources

- ICT suite with 25 desktop computers.
- Sets of Ipads for use in Key stage 1 and 2.
- A smaller set of Ipads for Early years.
- 10 Dell laptops for Y6.
- 2 tablet charging stations.
- Interactive White boards in every class.
- 10 Beebots in Reception / Key stage 1.
- 6 X Probots (Stored in the Resources cupboard)
- 15 x LegoWedo 2.0 resource kits.
- 14 x Microbits
- The school uses the Google Classroom suite from Year 2 to Year 6.
- Tapestry is used in Early years and Year 1.

Equality and differentiation

All teaching and learning of computing will ensure that every child has the right to be included and supported as far as possible. Students will work independently, in pairs and small groups to enable equal opportunities and access to resources.

Health and Safety

In Key stage 1, students use a generic password. From Key stage 2 and if the teacher feels that the students are ready, year 2, they use their own network log on and password. Student activity online is closely monitored by the education department and any concerns are communicated to the school quickly so that they can be dealt with. Online safety is of high importance in our school.

Assessment and recording

Assessment of children's progress will be ongoing throughout the year. All children have a computing book. On the front cover, the children will have their Acceptable User Policy that they will sign each year alongside their parent. The computing book will be a record of learning from independent computing lessons, cross-curricular work and any online safety events. Teachers use the Computing skills Assessment grid to assess children after each unit of work. Parents may be informed of their child's progress twice a year, at the parent consultation evening and there may be reference to computing in the annual report.

The subject leader for computing, Mrs. Kelly Cutting (Mr Chris Godden from September 2021) will endeavor to:

- Support colleagues with planning and teaching of the Computing curriculum
- Monitor and review the teaching of Computing throughout the school.
- Review teachers' planning to ensure that the statutory requirements for the Jersey Curriculum are being covered
- Evaluate children's work to assess coverage and progress made
- Attend related inset and cross-phase meetings in order to inform colleagues about new developments, ideas and resources in Computing
- Audit resources

Updated by Kelly Cutting, July 2021

To be reviewed May 2022