

Computing at Childwall Church of England Primary School.

Curriculum Intent

At Childwall Church of England Primary School, we recognise that pupils are living in a rapidly changing world, in which ICT is playing an ever-increasing role. We aim, therefore, to equip children with the skills to adapt to new technologies and to give them confidence to use ICT and computing skills to further their learning and assist them in everyday life.

Building on this knowledge and understanding, pupils follow the four streams of our school specific curriculum which are; technology in our lives, coding and programming, data handling and multimedia. Our children build on their learning through their school journey whilst accessing a range of websites, apps and platforms to further their understanding and develop real world computing skills. Computing also ensures that pupils become 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. Our curriculum has been designed to incorporate uses of technology such as; word processing, effective researching, spreadsheets, animation, media creation, coding and social, as well as a variety of iPad applications and websites.

As detailed in our overall curriculum intent, the teaching of Computing at Childwall embraces our school motto of ‘and the child grew’. By focussing on this motto as well as our commitment to consistently reviewing and evaluating our computing curriculum, we believe our children will be ready to successfully meet the challenges of the next stages of their education.

Aims

The school’s aims in computing are to:

- Provide a broad, balanced, challenging and enjoyable curriculum for all pupils.
- Develop each pupil’s computational thinking skills so as to benefit them throughout their lives.
- Meet the requirements of the national curriculum programmes of study for Computing at Key Stage 1 and 2
- To stimulate interest in new technologies.
- To equip pupils with the confidence and skills to use digital tools and technologies throughout their lives.
- To enhance and enrich learning in other areas of the curriculum by cross curricular use of ICT.
- To develop the understanding of how to use computers and digital tools safely and how to stay safe online.

Curriculum Implementation

At Childwall CE Primary School we teach both discrete Computing lessons to develop knowledge, skills and understanding as well as providing a range of opportunities throughout school to employ computing skills across the curriculum.

In EYFS, ICT is used throughout the curriculum. It aims to ensure that children recognise that a range of technologies are used in places such as homes and schools and that we can select and use technology for particular purposes.

In Key Stage 1 and 2, all class teachers follow our school specific curriculum to plan half termly units of work. This planning ensures good progression and coverage across the primary age range, with prior learning being revisited and then built on across the key stage. Where appropriate, some schemes of work spread across a half term and some across a full term, depending on the content. Teachers record video and photo evidence into each individual class’s computing folder via the Seesaw app on their iPads. This provides a school wide bank of evidence, including details of the unit, task and lesson.

Each year we also visit Apple workshops in Liverpool, take part in BIMA Digital Day, engage in Internet Safety Day (reinforcing safe messages throughout the year), host parent/carer safer internet sessions and use outside specialist teachers to deliver sessions in each year group throughout the year.

Curriculum Impact

After the implementation of this computing curriculum, children at Childwall CE Primary School will be digitally literate and able to join the rest of the world on its digital platform. They will be equipped, not only with the skills and knowledge to use technology effectively and for their own benefit, but more importantly – safely. The biggest impact we want on our children is that they understand the consequences of using the internet and that they are also aware of how to keep themselves safe online.

As children become more confident in their abilities in Computing, they will become more independent and possess more key life skills such as problem-solving, logical thinking and self-evaluation.

Teachers use their formative diary observations, as well as scrutiny of completed work on Seesaw, Purple Mash, Google Classroom and the Childwall CE server, to assess who has met or not met the intended outcomes of a lesson. These children then receive in class support from the class teacher and LSAs. This information can also be used to inform next steps for the children during the following lesson. The curriculum is designed to be sequential, building on learning from previous years, allowing children to develop their previous skills and allowing peer to peer support across many areas of the curriculum.

Teachers assess children's progress within the computing curriculum against an agreed set of school expectations for each topic, within each year group using the computing assessment tool. This has been specifically adapted to the requirements of the curriculum by Childwall CE Primary. Teachers have high expectations for each pupil and we strive to best equip children with transferrable Computing and ICT skills for the future world they will inhabit. Assessment is then analysed by the Computing leads and data is discussed with staff.