

Computing – Keyworth Primary School Intent, Implementation and Impact Statement

# Intent

Keyworth Primary School knows how important Computing is in the modern world. In a society that is ever changing, Computing will undoubtedly play a major role in the lives of future generations. For better or for worse, it is almost impossible to avoid how paramount it is that we are all Computer literate.

For that reason, we make it our aim to make sure that children leave Keyworth with the understanding of the three core areas of Computing (Computer Science, Information Technology and Digital Literacy).

In an ever-changing world, Computing has become more and more essential as a subject. We want the children to be able to access and enjoy the fundamentals of the subject through exciting and cross-curricular lessons.

# The main teaching objectives for Computing at Keyworth Primary School are:

* To create a positive association within the school towards the subject of Computing, through engaging and exciting lessons.
* To make sure we are developing a scheme of work that is in line with the National Curriculum.
* To allow time for teachers to access CPD. This will give them the opportunity to deliver lessons with confidence, not just in Computing but across the curriculum.
* To give children the opportunity to make real world connections within the Computing Curriculum.
* To ensure that children have a positive and respectful attitude towards information technology with particular reference to Internet usage.
* To give children a safe space where they can enjoy the unlimited opportunities that Computing can provide.

# Implementation

To make the above intentions possible, The Computing Curriculum is constantly evolving. Senior leadership and subject leaders will evaluate the Curriculum through monitoring and assessment. Teacher’s goals are driven by the following progression grids. These have been written with the three core areas of Computing in mind:

* Computer Science – the understanding of coding and programming across a range of physical devices and digital resources.
* Information Technology – the range of skills required to operate and manipulate specific programs, systems, and content.
* Digital Literacy – the knowledge required to use technology safely and to evaluate and react to any potential risks of the online/digital world.

The National Curriculum provides the basis for the progression grids and this content is then supplemented by additional resource banks, such as; Inkscape, SketchUp and Scratch. We also participate in ‘Internet Safety Week’ in which each class is provided with age appropriate texts and tasks. Cross-curricular opportunities are identified in order to ascertain links between termly topics and to ensure that Computing is not just seen as a standalone area. Staff are encouraged to share any gaps in their knowledge and skill sets to inform appropriate and individualised training/CPD.

# Impact

We try to encourage children to build independence within the subject of Computing. The success of the curriculum itself will be assessed via the analysis of yearly progress data and lesson observations. This allows us to make adaptations to future schemes of work. To show that we have made progression, children at Keyworth Primary School should:

* Have a positive approach towards Computing
* Be able to show that they are efficient and adaptable ‘Computaitonal thinkers’ who can show a deeper level of understanding within Computing.
* Be able to identify the source of issues and be able to ‘debug’ where possible.
* Build and reflect on their own project work.
* Have an understanding of E-Safety within the school.
* Move into secondary school with a broad understanding and passion for the subject of Computing.