**Intent**

At Priory Catholic Primary School we aim for all pupils and staff to be the very best they can be while our mission challenges us to prepare our pupils for their future lives and enable them to be able to contribute positively to society.

Computing is significant contributing factor to the preparation of pupils for the next stages of their education and future careers. The world around us is becoming increasingly digitalised and the pathways and careers of the future are likely to be heavily centred on being able to coherently navigate the digital world of computing, computer science, information technology and the use of digital media.

In Key Stage 1, we aim for all children have a solid grounding in the basics of computing, including understanding algorithms, creating simple programs, use logical reasoning, using technology purposefully and learning how to stay safe online.

In Key Stage 2, we aim all children to build upon and extend further their existing skills, as both user and creator. Aiming for children to be computationally aware, teaching them how to:

design, write and debug programs that accomplish specific goals

solve problems by breaking them down into smaller parts

use logical reasoning to explain simple algorithms

understand computer networks, including the internet and the opportunities they provide for collaboration and communication

use search technologies effectively and safely; being discerning in evaluating digital content

use a variety of software and digital devices to collect, analyse, evaluate and present data and information

use technology safely, respectfully and responsibly; recognising acceptable and unacceptable behaviour; knowing how to report concerns both within and outside of school.

Ensuring all children leave our school digitally literate, confident technology users who are equipped with the computing and software skills, computational thinking ability and morals to understand and change the world.

**Implementation**

We follow a scheme of work called Kapow and adapt where needed.

Each unit contains a cycle of lessons, which carefully plans for progression and depth of understanding (including vocabulary) to engage and enthuse all children. Units will be delivered through a mix of discreet computing lessons and in a cross-curricular fashion where possible, such as: using word processing software to write fact files in English, spreadsheet software in science to collate and analyse data or multimedia software in Art. E-Safety is embedded throughout the year in addition to being linked to individual units. Teachers regularly assess understanding through a variety of appropriate questioning and tasks.

**Impact**

We aim for the children to leave our care with a love and understanding of the use of technology and its role. For children to have a confident grasp of how to manipulate technology for a variety of purposes; to have a strong moral ethos that guides them to make the right choices when using the internet for educational or recreational reasons and for their prospects, endeavours and ambitions to not be limited by a lack of technological ability and awareness.