

"Computing is not just a device; it is an extension of your mind and a gateway to other people."

- Mark Shuttleworth



## INTENT

Children will be equipped to use computational thinking and creativity to understand and change the world. Computing first ensures digital literacy - being able to use, and express themselves and develop their ideas through, information and communication technology - at a level that begins to equip students for the future and as active participants in a digital world. The core of computing is computer science, which is the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming.

## IMPLEMENTATION

Securing a responsible relationship with technology children will then learn through a continuous curriculum which builds on the skills and understanding of previous years. Our digital literacy first approach ensures children have the fundamental computing skills to find, evaluate, utilise, share, and create using information technologies and the internet. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content.

## IMPACT

By the end of each unit children will be able to demonstrate their understanding through purposeful use of the technology; this allows teacher assessment to take place. Each unit introduces new technologies and skill sets, layering on learning from previous lessons. Tasks develop technological users who are proficient in skills rather than programmes so that they can apply their knowledge to the wider world of technology and have an awareness of emerging technologies that will be present in their lives.