







Computing Curriculum

“Technology will never replace great teachers but technology in the hands of great teachers is transformational.”

~George Couros

Purpose of Study:

 Philosophical	<p>Children will be able to evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems. They will be equipped with the computational thinking and creativity to understand and change the world.</p>
 Practical	<p>Children will become digitally literate – being 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.</p>
 Emotional	<p>Children will learn to use technology safely and respectfully and recognise the impact of their online behaviour on the wellbeing of others. They will become responsible, competent, confident and creative users of technology who have the depth of knowledge to apply their skills to non-routine problems and technology yet to be invented.</p>
 Intellectual	<p>Children will make links with mathematics, science, and design and technology to gain insights into both natural and artificial systems. They will learn the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming.</p>