

Computing

Our TRUST Curriculum Principles

A Kaleidoscope Schools curriculum has been designed to enable children to develop wide knowledge/ skills and become well rounded and confident individuals who are curious and want to learn. Schools design and develop their own curriculums but encapsulate the following which are linked to the Kaleidoscope 5C's.



Computing National Curriculum Milestones

Key Theme	Reception	KS1 (Y1–Y2)	KS2 (Y3–Y4)	KS2 (Y5–Y6)
Computer Science: Programming		<p>To understand and implement algorithms to execute instructions</p> <p>To create and debug simple programs, using logical reasoning to predict their behaviour</p>	<p>To design, write and debug programs, using logical reasoning to explain how algorithms work</p> <p>Controlling or simulating physical systems</p> <p>To explore sequencing, repetition and loops in programs</p>	<p>To design, write and debug programs, using logical reasoning to explain how algorithms work</p> <p>Controlling or simulating physical systems</p> <p>To explore selection and variables</p>
Digital Literacy: Being an effective and safe user of computing systems		<p>Use technology safely and respectfully: keep personal information private and know where to go for help about content and contact</p> <p>Use technology with a purpose: create, organise, store, manipulate and retrieve digital content: Photography & word processing</p>	<p>Use technology safely, respectfully and responsibly: recognise unacceptable behaviour and how to report concerns about content and contact</p> <p>Use software to purposefully create content: Word and PowerPoint</p>	<p>Use technology safely, respectfully and responsibly: recognise unacceptable behaviour and how to report concerns about content and contact</p> <p>Use software to purposefully create content: Excel, Word and PowerPoint</p>
Information Technology: Practice and Application		<p>Recognise uses of IT inside and outside of school: How technology and IT benefit our lives</p>	<p>Understanding computer networks: How computers connect through input, process and outputs and the internet as a network of networks known as the WWW</p>	<p>Understanding computer networks: Using search technologies and understanding how data is transferred</p>



KALEIDOSCOPE
Multi Academy Trust
