

Computing Curriculum

- IT
- Computer Science
- Online Safety *(cross curricular links with PHSE)*
- Database *(cross curricular links with maths and science)*
- Digital Content *(cross curricular links with English)*
- Digital Creativity *(cross curricular links with music)*

Year 1	Year 2	Year 3
Understanding algorithms Create and debug programs Logical reasoning Creating digital content IT Reporting concerns Using technology safely	Understanding algorithms Create and debug programs Logical reasoning Creating digital content IT Reporting concerns Using technology safely	Design and write programs Create complex programs Logical Reasoning Networks Creating Digital content Searching online Using technology safely Reporting concerns Evaluating concerns
Year 4	Year 5	Year 6
Design and write programs Create complex programs Logical Reasoning Networks Creating Digital content Searching online Using technology safely Reporting concerns Evaluating concerns	Design and write programs Create complex programs Logical Reasoning Networks Creating Digital content Searching online Using technology safely Reporting concerns Evaluating concerns	Design and write programs Create complex programs Logical Reasoning Networks Creating Digital content Searching online Using technology safely Reporting concerns Evaluating concerns

Within the new EYFS curriculum the 'Technology' strand has been removed from 'Understanding the World' and has not been replaced with any updated guidance. However, computing and technology are still vitally important subjects to teach to Foundation children. Teaching computing within the curriculum ensures that children enter Year 1 with a strong foundation of knowledge. We live in a technological world and there is no escape from the reality that technology is integrated into the lives of young children. Just as we ensure the children in our care are ready for the adult world by teaching them maths and literacy, we should also make sure that they are fluent in computer literacy and all-important e-safety.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
KS1 Cycle A	Reporting Concerns/online e safety - Y1 <i>isafe</i>	IT/logical reasoning - Y1 <i>iAlgoritham</i>	Digital Creativity - Y1 <i>iModel</i>	Computer Science Understanding algorithms and debug - Y1 <i>iProgram</i>	Digital content Digital Literacy - Y1 <i>iwrite</i>	Digital content Database - Y1 <i>iData</i>
KS1 Cycle B	Reporting Concerns/online e safety - Y2 <i>isafe</i>	IT/Logical reasoning - Y2 <i>iSearch/iMail</i>	Digital Creativity - Y2 <i>iAnimate</i>	Computer Science Understanding algorithms and debug - Y2 <i>iProgram</i>	Digital content Digital Literacy - Y2 <i>iBlog/iPub</i>	Digital content Database - Y2 <i>iData</i>
LKS2 Cycle A	Reporting Concerns/online e safety - Y3 <i>isafe</i>	Networks/ Logical reasoning - Y3 <i>iNetwork</i>	Digital Creativity - Y3 <i>iPodcast</i>	Computer Science Design, write, complex programs - Y3 <i>iProgram</i>	Digital content Digital Literacy - Y3 <i>iConnect</i>	Digital content Database - Y3 <i>iData</i>
LKS2	Reporting Concerns/online e safety - Y4	Networks/ Logical reasoning - Y4	Digital Creativity - Y4	Computer Science	Digital content Digital Literacy - Y4	Digital content Database - Y4

Cycle B	isafe	iAlgorithm/iProgram	iAnimate	Design, write, complex programs - Y4 iProgram	iMail	iData
UKS2 Cycle A	Reporting Concerns/online safety - Y5 isafe	Networks/ Logical reasoning - Y5 iWeb	Digital Creativity - Y5 iDraw	Computer Science Design, write, complex programs - Y5 iProgram	Digital content Digital Literacy - Y5 iModel	Digital content Database - Y5 iCrypto
UKS2 Cycle B	Reporting Concerns/online safety - Y6 isafe	Networks/ Logical reasoning - Y6 iNetwork	Digital Creativity - Y6 iProgram/iApp		Digital content Digital Literacy -Y6 iProgram	