

Brookside Primary School Curriculum Knowledge Map

Computing

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer2
Key Stage 1						
Year 1/2 A	<p>iAlgorithm 'Unplugged' activities to support understanding of algorithms (sessions 1-3)</p> <p>KS1 iAlgorithm Off-computer activities to support understanding of algorithms (sessions 4-5)</p>	<p>Y2 iAnimate Introduction to animation (sessions 1-6)</p>	<p>Y1 iPad Algorithms and Programming with iPads</p> <p>Y1 iWrite Creating and manipulating digital text</p>	<p>KS1 iSafe Personal information and being safe online (sessions 1-3)</p> <p>KS1 iSafe Personal information and being safe online (sessions 4-5)</p>	<p>Y2 iSearch Using the web to find things out (sessions 1-5)</p> <p>Y2 iDo Mail Introduction to Email</p>	<p>Y2 iPub Creating interactive eBooks (sessions 1-6)</p>
Year 1/2 B	<p>Y1 iProgram Programming physical and virtual toys (sessions 1-3)</p>	<p>Y1 iProgram Programming physical and virtual toys (sessions 4-5)</p> <p>Y1 iData Introduction to data representation</p>	<p>Y2 iPad Programing Daisy the Dinosaur</p>	<p>Y1 iModel Introduction to computer modelling (sessions 1-4)</p>	<p>Y2 iProgram Creating simple animations (sessions 1-6)</p>	<p>Y2 iBlog Writing and responding with blogs (sessions 1-6)</p>
Key Stage 2						
Year 3/4 A	<p>LKS2 iSafe – Unit 1 Staying safe online (sessions 1-6)</p>	<p>LKS2 iData Introduction to data representation (sessions 1-5)</p>	<p>LKS2 iSafe – Unit 2 (sessions 1-8) Staying safe online</p> <p>Year 3 iPad Programming with Kodable</p>	<p>LKS2 iAlgorithm Sorting and splitting. How problems can be solved more easily (sessions 1-3)</p>	<p>LKS2 iConnect Computer networking (sessions 1-6)</p>	<p>Y3 iSimulate Exploring Computer Simulations (sessions 1-6)</p>
Year 3/4 B	<p>Y3 iProgram Game and animation development (sessions 1-6)</p>	<p>Y4 iProgram Making shapes and navigating mazes (sessions 1-6)</p>	<p>Year 4 iPad (unit 1) Programming with LightBot Jr + LightBot</p>	<p>Y4 iPad – Unit 2 Programming physical systems <i>(alternatively teacher Y4 iPad Unit 1 sessions 1-3 in Cycle A & 4-6 here)</i></p>	<p>Y4-iProgram Unit 3 Programming puzzle solutions</p>	<p>Year 4 iAnimate Introduction to animation (sessions 1-6)</p>

<p>Year 5/6 A</p>	<p>UKS2 iAlgorithm Searching, Sorting and Networks</p>	<p>iNetwork Networks, data and creating web content</p> <p>UKS2 iSafe Staying safe in a digital world (sessions 1-4)</p>	<p>iWeb Remixing and creating web content using HTML</p>	<p>UKS2 iSafe Staying safe and being responsible digital citizens (sessions 5-9)</p> <p>Y6 iPad -Unit 1 Programming with Cato's Hike</p>	<p>Year 6 iPad – Unit 2 Programming with hyperPad</p>	<p>UKS2 iSafe Staying safe and being responsible digital citizens (sessions 9-14)</p>
<p>Year 5/6 B</p>	<p>Y5 iProgram Unit 1 Designing and developing computer programs</p>	<p>Y5 iProgram – Unit 2 Designing and developing Xbox games</p>	<p>Y5 iPad Programming with Hopscotch</p>	<p>Y6 iProgram Designing and developing computer programs</p>	<p>Y6 iApp – Unit 1 Designing and Developing apps</p> <p>Y6 IApp - Unit 2 Designing and developing mobile apps</p>	<p>iCrypto Cryptography (sessions 1-6)</p>