



# Computing Curriculum Overview 2020-2021

	Strand	Resources/ Planning	Strand	Resources/ Planning	Strand	Resources/ Planning	Strand	Resources/ Planning
Reception	<b>[Digital Literacy] E-Safety – Digital Citizenship</b>	<ul style="list-style-type: none"> <li>National Online Safety Units for EYFS</li> <li>Smartie the Penguin</li> <li>Digiducks Big Decision</li> </ul>	<b>[Digital Literacy] Skills and Understanding</b> General Skills – Presentation Media – Web Research – Word Processing - Animation – DTP –	Plans guided by liaison with Class Teacher, Resources prepared/ sourced/assisted by HLTA	<b>[Computer Science] Programming/Robotics</b> 2Simple2Go – Logo – Scratch – Flowol – Kodu – Python – Raspberry Pi – Flowcharts – Beebot – Probot – Lego WeDo – NXT – Network, Internet and Searching – How the Internet Works	Plans guided by liaison with Class Teacher, Resources prepared/ sourced/assisted by HLTA	<b>[Information Technology] Skills and Understanding</b> Web Publishing/Design – Blogging – Email – Surveys – Binary – Photography/Film - Google Sketch Up – Spreadsheets - Databases	Plans guided by liaison with Class Teacher, Resources prepared/ sourced/assisted by HLTA
Year 1		<ul style="list-style-type: none"> <li>Self-Image and Identity</li> <li>Online Relationships</li> <li>Online Bullying</li> <li>Online Reputation</li> <li>Managing Online Information</li> <li>Health, Wellbeing and Lifestyle</li> <li>Privacy and security</li> <li>Copyright and Ownership</li> </ul>		<ul style="list-style-type: none"> <li>2Simple 2Publish/2Paint/2Create/Music/PhotoSimple</li> <li>Clicker7/ClickerPaint Word Grids, Sentence building/Class learning</li> <li>MSWord/Office – WP Skills</li> </ul>		<ul style="list-style-type: none"> <li>Beebot</li> <li>2Simple2Go</li> <li>iPad Daisy Dino (simple block programming intro)</li> <li>Barefoot</li> </ul>		<ul style="list-style-type: none"> <li>2Simple2Graph</li> <li>Smart Notebook activities (prep'd)</li> <li>2Simple2Investigate</li> <li>Softcase Branch</li> </ul>
Year 2		<ul style="list-style-type: none"> <li>Self-Image and Identity</li> <li>Online Relationships</li> <li>Online Bullying</li> <li>Online Reputation</li> <li>Managing Online Information</li> <li>Health, Wellbeing and Lifestyle</li> <li>Privacy and security</li> <li>Copyright and Ownership</li> </ul>		<ul style="list-style-type: none"> <li>2Simple 2Publish/2Paint/2Create/2Animate/Music/Clicker7/ClickerPaint</li> <li>MSWord/Office – WP/Presentation Skills</li> </ul>		<ul style="list-style-type: none"> <li>Beebot/Probot/2SimpleNXT</li> <li>2Simple Logo/2Simple2Go/Softcase Turtle</li> <li>Internet Research Skills</li> <li>Scratch</li> <li>Barefoot</li> </ul>		<ul style="list-style-type: none"> <li>2Simple2Graph</li> <li>2Simple2Investigate</li> <li>2PhotoSimple</li> <li>Softcase Branch/Database</li> <li>2Email/Smart Notebook (prep'd)</li> </ul>
Year 3		<ul style="list-style-type: none"> <li>Self-Image and Identity</li> <li>Online Relationships</li> <li>Online Bullying</li> <li>Online Reputation</li> <li>Managing Online Information</li> <li>Health, Wellbeing and Lifestyle</li> <li>Privacy and security</li> <li>Copyright and Ownership</li> </ul>		<ul style="list-style-type: none"> <li>MSOffice/Word, Pub, PPT</li> <li>Create/display/layout/ designing work and using media for a specific audience and/or Class learning Links</li> <li>CAD/Animations</li> </ul>		<ul style="list-style-type: none"> <li>Logo</li> <li>Scratch</li> <li>Flowcharts</li> <li>Flowol 4/Microbits</li> <li>Barefoot</li> </ul>		<ul style="list-style-type: none"> <li><b>Learn HTML Code</b> - Create a webpage</li> <li><b>Email/Blogging</b></li> <li><b>Intro to Spreadsheets</b></li> <li><b>Softcase/Excel</b> Spreadsheets</li> <li>Using Photography creatively (Cameras/IPads/webcam)</li> </ul>



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Year 4		<p><b>NOS Resources</b></p> <ul style="list-style-type: none"> <li>• Self-Image and Identity</li> <li>• Online Relationships</li> <li>• Online Bullying</li> <li>• Online Reputation</li> <li>• Managing Online Information</li> <li>• Health, Wellbeing and Lifestyle</li> <li>• Privacy and security</li> <li>• Copyright and Ownership</li> </ul> <p><b>PSHE</b></p>		<p><b>Year 4/5</b></p> <p><b>MSoftware/Word, Pub, PPT</b>          Create/display/layout/ designing work and using media for a specific audience and/or Class learning Links  <b>CAD/Animations</b></p>			<p><b>Logo</b>          Scratch (intermediate)          Mindstorms/Scratch create and download tasks with direct link to robots)          Flowol 4/Microbits          Barefoot</p>	<p><b>Web Design</b> (research/plan a website)  <b>Email/Blogging/Podcasting</b>  <b>Excel</b> Spreadsheets/Data handling          Using Photography creatively (Cameras/IPads/webcam)</p>
Year 5		<p><b>NOS Resources</b></p> <ul style="list-style-type: none"> <li>• Self-Image and Identity</li> <li>• Online Relationships</li> <li>• Online Bullying</li> <li>• Online Reputation</li> <li>• Managing Online Information</li> <li>• Health, Wellbeing and Lifestyle</li> <li>• Privacy and security</li> <li>• Copyright and Ownership</li> </ul> <p><b>PSHE</b></p>		<p><b>Year 5/6</b></p> <p><b>MSoftware/Word, Pub, PPT</b>          Create/display/layout/ designing work and using media for a specific audience and/or Class learning Links  <b>CAD/Animations/Filmmaking</b></p>			<p>Scratch with/without robots          Raspberry Pi/Python/Microbits          Kodu/ Flowol 4          Barefoot</p>	<p><b>Web Design</b> (plan/design/make a website or similar) collaboration links  <b>Email/Blogging/binary/Podcasting</b>  <b>Excel</b> Spreadsheets/Data handling          Using Photography creatively (Cameras/IPads/webcam)</p>
Year 6		<p><b>NOS Resources</b></p> <ul style="list-style-type: none"> <li>• Self-Image and Identity</li> <li>• Online Relationships</li> <li>• Online Bullying</li> <li>• Online Reputation</li> <li>• Managing Online Information</li> <li>• Health, Wellbeing and Lifestyle</li> <li>• Privacy and security</li> <li>• Copyright and Ownership</li> </ul> <p><b>PSHE</b></p>		<p><b>Notes (All classes):</b> Lesson Planning and full details of proposed tasks available in the planning area of the computer programming curriculum folder.</p>	<p><b>Notes (All classes):</b> Lesson Planning and full details of proposed tasks available in the planning area of the computer programming curriculum folder.</p>		<p><b>Notes (All classes):</b> Lesson Planning and full details of proposed tasks available in the planning area of the computer programming curriculum folder.</p>	