

# Highgate Primary

## Year 1 Computing Curriculum

Understanding Technology/Digital Literacy	Programming	Digital Citizenship and e-safety
<p>In Year 1, children recognise and give examples of common uses of information and communication technology they encounter in their daily routine.</p> <p>With adult guidance, children use a range of technology to enhance and present their learning. Within both specific computing lessons and cross-curricular contexts, pupils are taught to:</p> <ul style="list-style-type: none"> <li>• Enquire with purpose, accessing digital content such as text, still and moving images and audio</li> <li>• Collect data (e.g. numerical, research facts etc.) which they are able to retrieve, store and present in graphs, tables and charts</li> <li>• Present and communicate their learning to others in a variety of ways using text, still images, video and audio, including combining two or more of these mediums</li> </ul>	<p>Pupils create, debug and implement instructions (simple algorithms) as programs on a range of digital devices.</p> <p>Pupils understand that digital devices follow precise and unambiguous instructions.</p> <p>Pupils understand that digital devices can simulate real situations.</p>	<p>Pupils are becoming increasingly aware of content, contact and conduct benefits and risks, how to manage them safely and where to go for help and support when they have concerns or feel unsafe, worried or upset.</p> <p>They are beginning to develop a better understanding of their own and others' 'identity' (including online), the importance of keeping personal information private and of seeking permission before sharing. They check with an adult before clicking on pop ups, notifications or dialogue boxes.</p> <p>They increasingly use a range of digital devices to communicate safely and respectfully online, making links to positive behaviour in the physical world.</p>

Autumn 1 <b>The World through our Senses</b>	Autumn 2 <b>Celebrations</b>	Spring 1 <b>Whatever the Weather</b>	Spring 2 <b>Toys</b>	Summer 1 <b>Amazing Architects</b>	Summer 2 <b>Flowers and Insects</b>
<p><u>What is a computer?</u></p> <ul style="list-style-type: none"> <li>• Introduce computer and peripherals: screen, keyboard, mouse, printer</li> <li>• Children practice moving a mouse and pressing keys.</li> </ul> <p><u>Playing Card Maze</u></p> <ul style="list-style-type: none"> <li>• 7 x 7 grid of cards stuck to floor with toys and obstacles.</li> <li>• Children instruct toy on route to target</li> <li>• Children follow instructions to target</li> <li>• Instructions given one at a time</li> </ul> <p><u>Pause for People</u></p> <ul style="list-style-type: none"> <li>• Jessie &amp; Friends: Episode 1</li> </ul> <p>KSI E-safety assembly</p>	<p><u>Happy Holidays</u></p> <ul style="list-style-type: none"> <li>• Create a card using paint on iPads</li> </ul> <p><u>Picture sequencing</u></p> <ul style="list-style-type: none"> <li>• Children arrange a sequence of images in the correct order</li> <li>• Getting dressed</li> <li>• Making a sandwich</li> </ul> <p><u>Media Balance Is Important</u></p> <ul style="list-style-type: none"> <li>• Barefoot Computing: 'Safety Snakes'</li> </ul>	<p><u>Playing card maze.</u></p> <ul style="list-style-type: none"> <li>• 7 x 7 grid of cards with toys and obstacles.</li> <li>• Children instruct on route to target</li> <li>• Children follow instructions to target</li> <li>• Instructions given in groups as appropriate (3 instructions at a time etc.)</li> </ul> <p><u>Media Balance Is Important</u></p> <ul style="list-style-type: none"> <li>• Fact Detectives!</li> </ul> <p>KSI E-safety assembly</p>	<p><u>I am a journalist</u></p> <ul style="list-style-type: none"> <li>• Children report on a toy. Teacher records using iMovie.</li> <li>• Children review and evaluate</li> </ul> <p><u>Safety in My Online Neighbourhood</u></p> <ul style="list-style-type: none"> <li>• Jessie &amp; Friends: Episode 2</li> </ul> <p>Book: chicken clicking</p>	<p><u>Floor robots</u></p> <ul style="list-style-type: none"> <li>• Reach a target destination – exploratory</li> </ul> <p><u>Media Balance Is Important</u></p> <ul style="list-style-type: none"> <li>• Smartie the Penguin (Lesson Plan)</li> </ul> <p>What are our safety rules?</p>	<p><u>Searching the Internet</u></p> <ul style="list-style-type: none"> <li>• Children use ipads to search for an insect.</li> <li>• Press and hold image to save to gallery.</li> <li>• Access gallery and find picture.</li> </ul> <p><u>Floor robots</u></p> <ul style="list-style-type: none"> <li>• complete a set task</li> <li>• Record instructions and debug programs.</li> </ul> <p><u>Media Balance Is Important</u></p> <ul style="list-style-type: none"> <li>• Jessie &amp; Friends: Episode 3</li> </ul>