





# LEAS PARK JUNIOR SCHOOL - Knowledge & Skills Progression Map

Year Group: 6

Subject: Computing

Topic  Curriculum Strand 	Autumn: (1) Spreadsheets / (2) Scratch - animated stories	Spring: (3) Online Safety	Summer: (4) Kodu Programming / (5) Film Making
Computer Science	<p>Children can:</p> <ul style="list-style-type: none"> <li>(2) continue to develop skills in writing their own algorithms as well as editing and debugging code at a more advanced level</li> <li>(2) structure and sequence code to animate characters with movement and speech</li> <li>(2) incorporate interactive features to a scene using complex code: repeat command, single button control, smooth transitions</li> <li>(1, 2, 4) analyse and deconstruct code to work out its purpose</li> <li>(4) create a virtual world using tools in the KODU programming environment</li> <li>(4) use visual code to edit and refine a race track for characters to compete on</li> </ul> <p>Children know:</p> <ul style="list-style-type: none"> <li>(4) program 'KODU' using 'when' and 'do' variables</li> <li>(2) many ways to structure code to achieve a desired outcome (broadcast, receive, show and hide)</li> </ul>		
Digital Literacy	<p>Children can:</p> <ul style="list-style-type: none"> <li>(3) identify websites as secure or insecure</li> <li>(3) identify information that safe and unsafe to share with online friends</li> <li>(3) identify how to behave in a range of online scenarios</li> </ul> <p>Children know:</p> <ul style="list-style-type: none"> <li>(3) what cyberbullying is and how it differs from bullying</li> <li>(3) what to do if asked to do something they are uncomfortable with online</li> <li>(3) that some search engines may provide misleading information</li> <li>(3) the importance of choice and respect online and understand the concept of consent and permission</li> </ul>		
Information Technology	<p>Children can:</p> <ul style="list-style-type: none"> <li>(1) use and design spreadsheets in Microsoft Excel to solve specific problems</li> <li>(1) use the SUM, AVERAGE, MIN and MAX functions in Excel</li> <li>(1) create graphs in Excel to show specific data with appropriate formatting</li> <li>(5) use digital recording devices to film and import into video editing software</li> <li>(5) plan, conduct and import video interviews as part of a short film</li> <li>(5) use video-editing software to turn a film into a finished movie and present it</li> </ul> <p>Children know:</p> <ul style="list-style-type: none"> <li>(1) that using spreadsheets are a useful tool as they can perform complex calculations</li> <li>(5) a range of filming techniques</li> </ul>		



