



## JLPS Curriculum Overview for : Computing

Year group	Main Theme/Skills/Knowledge/context:		
	<ul style="list-style-type: none"> <li>• <b>Digital Literacy</b></li> <li>• <b>Computer Science</b></li> <li>• <b>Information Technology</b></li> </ul>		
1	<ul style="list-style-type: none"> <li>• Introduction to on-line safety</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to computers</li> <li>• Introduction to algorithms</li> <li>• Introduction to simulations</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to digital devices</li> <li>• Introduction to changing fonts</li> <li>• Introduction to saving work</li> </ul>
2	<ul style="list-style-type: none"> <li>• On-line safety for me and others</li> <li>• Introduction to digital communication/technologies</li> <li>• Introduction to web searching</li> </ul>	<ul style="list-style-type: none"> <li>• Using algorithms to solve problems</li> <li>• Introduction to coding &amp; debugging</li> <li>• Introduction to inputs &amp; outputs</li> <li>• Introduction to networks</li> </ul>	<ul style="list-style-type: none"> <li>• Selecting digital devices</li> <li>• Changing font style, size &amp; colour</li> <li>• Different ways of presenting information</li> <li>• Different ways of saving information</li> </ul>
3	<ul style="list-style-type: none"> <li>• On-line safety for me and others</li> <li>• Password safety</li> <li>• On-line friends</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to following sequential instructions</li> <li>• Checking &amp; de-bugging</li> <li>• Selection commands</li> <li>• Human or computer?</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to databases</li> <li>• Introduction to data loggers</li> </ul>
4	<ul style="list-style-type: none"> <li>• Introduction to reporting an on-line safety issue</li> <li>• Website &amp; message appropriateness</li> <li>• Communicating &amp; sharing safely</li> </ul>	<ul style="list-style-type: none"> <li>• Following sequential instructions</li> <li>• Repeat instructions/loops</li> </ul>	<ul style="list-style-type: none"> <li>• Editing</li> <li>• Branching databases</li> <li>• Searching, creating &amp; changing databases</li> <li>• Using data loggers</li> <li>• Creating graphs</li> </ul>
5	<ul style="list-style-type: none"> <li>• Reporting an incident</li> <li>• Understanding 'cyberbullying'</li> <li>• Skimming for relevance/appropriateness</li> <li>• Fact, opinion or bias</li> <li>• Refining a search</li> <li>• Hidden problems &amp; potential risks</li> </ul>	<ul style="list-style-type: none"> <li>• Detecting errors in algorithms</li> <li>• Control technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Creating simulations &amp; models</li> <li>• Data or information?</li> <li>• Creating &amp; interrogating a spreadsheet</li> <li>• Multimedia resources</li> <li>• Selecting software &amp; digital devices</li> </ul>
6	<ul style="list-style-type: none"> <li>• Websites age restrictions</li> <li>• Digital footprints</li> <li>• Passwords, personal information</li> <li>• Fact, opinion or bias</li> <li>• Refining a search</li> <li>• Hidden problems &amp; potential risks</li> <li>• Blog &amp; Wiki</li> </ul>	<ul style="list-style-type: none"> <li>• Detecting errors in algorithms</li> <li>• Variables in algorithms.</li> <li>• Various types of code</li> <li>• Control things by computers</li> <li>• Understand of World Wide Web, web browsers and search engines</li> <li>• Understanding of Information and computers</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge about Video and audio editing</li> <li>• Hyperlinks and Data</li> <li>• Refine searching the Internet</li> <li>• Understanding mistakes can be made entering data.</li> </ul>