LEAS PARK JUNIOR SCHOOL –Curriculum Progression Map

Year Group: 5   **Subject: Computing**

Topic/Unit ➡ Curriculum Strand ⬇	Autumn: (1) Scratch – developing games	Spring: (2) Creating Flowcharts / (3) Web design	Summer: (4) Radio Station / (5) Sketchup
Computer Science	Children can • (1) program an algorithm as a sequence of game instructions with actions and consequences • (1) add additional effects and features such as sound or point scoring using variables and various forms of input and output • (2) use Flowol software to build sequences of instructions, control multiple outputs and structure algorithms with decisions and inputs • (2) solve given problems independently with a flowchart solution organised into multiple subroutines Children know • (1) to use an ever expanding selection of different types of code in order to achieve specific goals • (2) Flowol is computer control and robotics software which allows the exploration of the world of automatic systems		
Digital Literacy	Children can • (3) understand how websites shared on the Internet (network) provide opportunities for the sharing of information • (3) explain bias and authority in webpages and use this to be discerning in evaluating digital content • (3) use the advanced features of Google's web search effectively • (PSHE unit Jigsaw/Internet Safety Day) explain how to stay safe when communicating with friends online Children know • (3) how search results are selected and ranked • (3) that some search engines may provide misleading and false information • (PSHE unit Jigsaw/Internet Safety Day) their rights and responsbilties when in an online community and/or social network		
Information Technology	Children can • (5) extend their drawing skills to create 3D models using the software SketchUp • (5) use a wide range of SketchUp tools and concepts: the dimensions toolbar and guides, tape measure, zoom extents and the 3D warehouse • (4) use Audacity software to create sounds by recording, editing and playing and combine audio effects to create an original audio jingle • (4) use software to create and present digital content for a radio podcast and record a persuasive radio advert • (4) present and evaluate audio content • (3) create and share a new webpage with a chosen layout and format text within it • (3) insert and format images and hyperlinks within a webpage Children know • (4,5) the key vocabulary associated with SketchUp and Audacity and how to navigate this software • (3) what a website is and how they can be accessed		