

Subject: Computing COMPUTER SCIENCE	Year group: Year 1	Topic: COMPUTER SCIENCE Algorithms	Initiation & activation activities:
Prior knowledge required: To know what an algorithm is. Know that programs are made up of a sequence of codes. To be able use these codes or instructions to control devices or objects on screen.		Vocabulary:	
Programme of Study: Year 1 & 2	Implementation:	Impact –lesson sequence:	Evaluations and assessments:
<ul style="list-style-type: none"> • Pupils should be taught to Understand what algorithms how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous of instructions. • Create and debug simple programs • Use logical reasoning to predict the behaviour of simple programs 	<ul style="list-style-type: none"> • Explore a range of control toys and devices • Follow instructions to move around a course • Create a series instructions to move their peers around a course • Explore outcomes when individual buttons are pressed on a robot • Explore an on screen turtle (or Bee BOT) navigate it around a course or grid • Have experiences of controlling other devices such as sound recording devices, music players, video recording equipment and digital cameras • While navigating around a course on a computer predict what will happen once the next command is entered. <p><u>Knowledge skills and understanding</u></p> <ul style="list-style-type: none"> • Can they create simple series of instructions- left and right? • Can they record their routes? • Do they understand forwards, backwards, up and down? • Can they put two instructions together to control a programmable toy? • Can they begin to plan and test a Bee Bot journey? <p><u>GD</u></p> <p><u>Daisy Dino/Bee Bots (app)</u></p> <ul style="list-style-type: none"> • Discuss/explore what will happen when instructions are given in a sequence. • Give a sequence of instructions to complete a simple task. • Instructions use both movement commands and additional commands. 		

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