Computing						
Year 1 – Programming Beebots 22-23						
Remember when:				Key vocabulary		
By the end of the unit children must:				backwards		
- move the Beebot forwards, backwards and turn.				clear		
- be able to move a Beebot to a given area.				forwards go		
- be able to move a Deebot to a given area.				ipad		
			!	turn		
National curriculum: - Understand what algorithms are execute by following precise and - Create and debug simple progra - Use logical reasoning to predict	unaml ams.	haviour of simple programs.	tal devic	es; and that programs		
		Software				
beebots beebot app blubot app						
Title / Focus	Les	son outline				
Lesson 1- Buttons LO- To explain what a given command will do	Learners will be introduced to floor robots. They will talk about what the buttons on a floor robot might do and then try the buttons out. They will spend time linking an outcome to a button press. Learners will consider the direction command buttons, as well as the 'clear memory' and 'run program' buttons.					
<ul><li>SK Move the Beebot forwards, backwards and turn.</li><li>Be able to move a Beebot to a given area.</li></ul>	Discuss with children that Beebots follow a range of directions. Speak about directions which you could go, left, right, forwards, backwards. Children to go onto the playground/hall and work in pairs to play Simon Says following the directions forwards and backwards and how many paces. Once this is mastered move onto left and right.					
Lesson 2 Directions		ners will think about the language used to g				
LO- To act out a given word		eds to be. They will also work with a partner to give and follow instructions. These I-world activities should, at suitable points during this lesson, be related to the				
SK Move the Beebot forwards,		robot	,			
backwards and turn. - Be able to move a Beebot to a given area.	Children to understand that an algorithm is a set of instructions. Children to have a route set on a grid and they must select the correct instructions for the Beebot to reach its destination.					
Lesson 3- Routes LO- To create a route for the beebot Make map for Beebot SK Move the Beebot forwards,	Learners will be encouraged to plan routes around a mat before they start to write programs for those routes. The activities in this lesson also introduce the concept of there being more than one way to solve a problem. This concept is valid for a lot of programming activities: the same outcome can be achieved through a number of different approaches, and there is not necessarily a 'right' approach. The lesson also introduces the idea of program design, where learners need to plan what they want					
backwards and turn. - Be able to move a Beebot to a given area.	their program to achieve before they start programming. Children to make a mat on squared paper for a Beebot to travel and write a set of					
Langen A. Ingda	instructions.					
Lesson 4- Ipads LO- To use the Beebots and the Beebot program on the iPad SK Move the Beebot forwards, backwards and turn. - Be able to move a Beebot to a given area.	Children to program the Beebots to follow their instructions. Children to use the Beebot program.					
Working towards		End of Unit AssessmentVWorking at Age related expectations	Working	at a greater depth		

1	