Remember when:	Year 1 – Programming Beebots		
Remember when:			
Remember when:		Key vocabulary	
By the end of the unit children	must:	backwards	algorithms
- move the Beebot forwards, backwards and turn.		clear forwards	debug program
- be able to move a Beebot to a given area.		go ipad turn	directions
execute by following precise and Create and debug simple progr		al devices; and that	programs
	Software		
peebots peebot app plubot app			
itle / Focus	Lesson 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 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, a well as the 'clear memory' and 'run program' buttons.		
SK Move the Beebot forwards, backwards and turn. Be able to move a Beebot to a given area.	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.		
esson 2 Directions	Learners will think about the language used to g	jive directions and h	now precise it
.O- To act out a given word	needs to be. They will also work with a partner to real-world activities should, at suitable points du		
SK Move the Beebot forwards, ackwards and turn.	floor robot	ining and recedin, se	rolated to the
Be able to move a Beebot to a given area.	Children to understand that an algorithm is a set Children to have a route set on a grid and they refer the Beebot to reach its destination.		ect instructions
Lesson 3- Routes O- To create a route for the peebot	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 o there being more than one way to solve a problem. This concept is valid for a lot of		
Make map for Beebot 6K Move the Beebot forwards, backwards and turn. Be able to move a Beebot to a given area. Brown area programming activities: the same outcome can be achieved through a different approaches, and there is not necessarily a 'right' approach. Introduces the idea of program design, where learners need to plan we their program to achieve before they start programming.			
	Children to make a mat on squared paper for a instructions.	Beebot to travel and	d write a set of
Lesson 4- Ipads O- To use the Beebots and the Beebot program on the iPad GK Move the Beebot forwards,	Children to program the Beebots to follow their i Beebot program.	nstructions. Childre	en to use the

End of Unit Assessment Working at Age related expectations

Working towards

Working at a greater depth
